

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Attorney Docket No.

PP01598 / 200130.512

First Inventor or Application Identifier

Lewis T. Williams

Title

NOVEL HUMAN GENES AND GENE EXPRESSION
PRODUCTS

Express Mail Label No.

EL487463861US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 202311. ☒ General Authorization Form & Fee Transmittal
(Submit an original and a duplicate for fee processing)2. ☒ Specification [Total Pages] **139**
(preferred arrangement set forth below)
- Descriptive Title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure3. ☐ Drawing(s) (35 USC 113) [Total Sheets] 4. Oath or Declaration [Total Pages] **8**a. ☒ [unsigned]b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior
application,
see 37 CFR 1.63(d)(2) and 1.33(b)5. ☐ Incorporation By Reference (useable if box 4b is
checked) The entire disclosure of the prior application,
from which a copy of the oath or declaration is supplied
under Box 4b, is considered to be part of the disclosure
of the accompanying application and is hereby
incorporated by reference therein.6. ☐ Microfiche Computer Program (Appendix)7. Nucleotide and Amino Acid Sequence Submission
(if applicable, all necessary)

- a.
- ☒
- Computer-Readable Copy
-
- b.
- ☒
- Paper Copy (identical to computer copy)
-
- c.
- ☒
- Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS8. ☐ Assignment Papers (cover sheet & document(s))9. ☐ 37 CFR 3.73(b) Statement
(when there is an assignee) ☒ Power of Attorney
[unsigned]10. ☐ English Translation Document (if applicable)11. ☐ Information Disclosure
Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations12. ☐ Preliminary Amendment13. ☒ Return Receipt Postcard14. ☐ Small Entity
Statement(s) ☐ Statement filed in prior application, Status
still proper and desired15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)16. ☒ Other: Certificate of Express Mail
Check No. 12264 for \$768.00
Table 1 (40 pages, Seq. ID Nos. 1-1847)
Table 2 (31 pages, Seq. ID Nos. 1-1504)
Table 3 (199 pages, Seq. ID Nos. 1-1847)
Table 4 (160 pages, Seq. ID Nos. 1-1504)

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment

☐ Continuation ☐ Divisional ☐ Continuation-In-Part (CIP) of prior Application No.: _____

Prior application information: Examiner _____ Group / Art Unit _____

☒ Claims the benefit of Provisional Application Nos. 60/142,311 filed 7/2/99 and 60/142,310 filed 7/2/99**CORRESPONDENCE ADDRESS**Chiron Corporation
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Respectfully submitted,

TYPED or PRINTED NAME Jane E. R. PotterSIGNATURE Jane E. R. PotterREGISTRATION NO. 33,332Date June 30, 2000

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Lewis T. Williams et al.
 Title : NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS
 Docket No. : PP01598 / 200130.512
 Date : June 30, 2000

Box Patent Application
 Assistant Commissioner for Patents
 Washington, DC 20231

GENERAL AUTHORIZATION UNDER 37 C.F.R. § 1.136(a)(3)
AND FEE TRANSMITTAL

Assistant Commissioner for Patents:

With respect to the above-identified application, the Assistant Commissioner is authorized to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. § 1.136(a)(3) for its timely submission as incorporating a petition therefor for the appropriate length of time. The Assistant Commissioner is also authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 19-1090.

With respect to the above-identified application, the fee is calculated below:

For	Number filed	Number extra		Rate		
Basic Fee						\$ 690
Total Claims	15	0	X	\$	=	\$ 0
Independent Claims	4	1	X	\$ 78	=	\$ 78
Multiple Dependent Claim					+	\$ n/a
Assignment Fee					+	\$ n/a
TOTAL FILING FEE						\$ 768
Extension-of-time fee (parent)					+	\$ n/a
TOTAL						\$ 768

A check in the amount of \$768.00 is enclosed to cover the filing fee.

The Assistant Commissioner is authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 which may be required, or credit any overpayment, to Deposit Account No. 19-1090. A duplicate copy of this request is enclosed.

Date June 30, 2000 Jane E. R. Potter
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Filed : June 30, 2000

For : NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS

Docket No. : PP01598 / 200130.512

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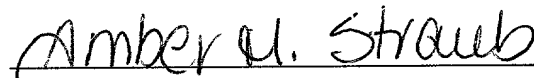
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I hereby certify that the enclosures listed below are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. EL487463861US, on June 30, 2000, addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, DC 20231.

Respectfully submitted,

Seed Intellectual Property Law Group PLLC



Amber Straub / Jeanette West / Susan Johnson

JEP:cew

Enclosures:

Postcard

Check No. 12264 for \$768.00

General Authorization Under 37 C.F.R. § 1.136(a)(3) and Fee Transmittal (+ copy)

Specification, Claims, Abstract (139 pages)

Sequence Listing (1028 pages)

2 diskettes containing computer-readable sequence listing

Declaration

Table 1 (40 pages, Seq. ID Nos. 1-1847)

Table 2 (31 pages, Seq. ID Nos. 1-1504)

Table 3 (199 pages, Seq. ID Nos. 1-1847)

Table 4 (160 pages, Seq. ID Nos. 1-1504)

[unsigned] Declaration and Power of Attorney

NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims the benefit of U.S. Provisional Application No. 60/142,311, filed July 2, 1999, entitled "Novel Human Genes and Gene Expression Products" and also U.S. Provisional Application No. 60/142,310, filed July 2, 1999, entitled "Novel Human Genes and Gene Expression Products".

FIELD OF THE INVENTION

The present invention relates to novel polynucleotides of human origin and the encoded gene products.

10 BACKGROUND OF THE INVENTION

Identification of novel polynucleotides, particularly those that encode an expressed gene product, is important in the advancement of drug discovery, diagnostic technologies, and the understanding of the progression and nature of complex diseases such as cancer. Identification of genes expressed in different cell types isolated from sources that differ in disease state or stage, developmental stage, exposure to various environmental factors, the tissue of origin, the species from which the tissue was isolated, and the like is key to identifying the genetic factors that are responsible for the phenotypes associated with these various differences.

This invention provides novel human polynucleotides, the polypeptides encoded by these polynucleotides, and the genes and proteins corresponding to these novel polynucleotides.

SUMMARY OF THE INVENTION

This invention relates to novel human polynucleotides and variants thereof, their encoded polypeptides and variants thereof, to genes corresponding to these polynucleotides and to proteins expressed by the genes. The invention also relates to diagnostics and therapeutics comprising such novel human polynucleotides, their corresponding genes or gene products, including probes, antisense nucleotides, and antibodies. The polynucleotides of the invention correspond to a polynucleotide comprising the sequence information of at least one of SEQ ID NOs: 1-3351.

Various aspects and embodiments of the invention will be readily apparent to the ordinarily skilled artisan upon reading the description provided herein.

DETAILED DESCRIPTION OF THE INVENTION

The invention relates to polynucleotides comprising the disclosed nucleotide sequences, to full length cDNA, mRNA genomic sequences, and genes corresponding to these sequences and degenerate variants thereof, and to polypeptides encoded by the polynucleotides of the invention and polypeptide variants.

Polypeptide variants differ from wild type protein in having one or more amino acid substitutions that either enhance, add, or diminish a biological activity of the wild type protein.

Six of the polypeptides disclosed herein encode new members of the MKK kinase family; the coding region is found within the nucleotide region in parentheses: SEQ ID NO:29 (nucleotides 295-421); SEQ ID NO:31 (298-397); SEQ ID NO:196 (37-322); SEQ ID NO:3175 (nucleotides 14-164); SEQ ID NO:3190 (229-390); and SEQ ID NO:3281 (15-182). Twenty-four of the polypeptides encode new members of the family of transcription factor proteins having a basic region plus leucine zipper: SEQ ID NO:410 (42-191); SEQ ID NO:552 (116-288); SEQ ID NO:768 (116-288); SEQ ID NO:822 (108-262); SEQ ID NO:836 (158-353); SEQ ID NO:1288 (73-234); SEQ ID NO:1365 (69-257); SEQ ID NO:1540 (289-471); SEQ ID NO:1549 (200-391); SEQ ID NO:1556 (163-354); SEQ ID NO:1557 (207-398); SEQ ID NO:1563 (107-298); SEQ ID NO:1622 (180-365); SEQ ID NO:1630 (100-291); SEQ ID NO:1704 (184-372); SEQ ID NO:1808 (36-161); SEQ ID NO:1454 (49-209); SEQ ID NO:2363 (48-211); SEQ ID NO:2424 (43-194); SEQ ID NO:3147 (190-369); SEQ ID NO:3152 (129-320); SEQ ID NO:3158 (167-334); and SEQ ID NO:3208 (34-256).

SEQ ID NOs:186 (175-395); 2591 (60-165); 3307 (43-321); and 3339 (94-342) encode polypeptides having an SH2 domain, and SEQ ID NOs:234 (23-121), 1832 (18-173), and 1835 (57-206) encode polypeptides having an SH3 domain. Nine polypeptides encode new members of the family of proteins having Ank repeat regions: SEQ ID NO:187 (358-432); SEQ ID NO:1268 (238-315); SEQ ID NO:1804 (301-378); SEQ ID NO:1819 (278-355); SEQ ID NO:1839 (224-307); SEQ ID NO:1830 (184-267); SEQ ID NO:2562 (18-101); SEQ ID NO:3015 (131-214); and SEQ ID NO:3267 (97-180).

The following eleven polynucleotides encode polypeptides having a C2H2 type zinc finger: SEQ ID NOs:308 (110-172); 807 (339-392); 1324 (294-356); 1503 (154-216); 1527 (156-212); 1674 (196-258); 1779 (64-126); 1801 (295-351); 3081 (190-252); 3193

(293-355); and 3306 (161-223). Eight polynucleotides encode polypeptides of the family of ATPases: SEQ ID NOs:431 (71-428); 639 (157-561); 2135 (2-401); 2684 (9-461); 2859 (100-320); 3178 (45-386); 3197 (281-343) and 3266 (8-139). Polypeptides having a fibronectin type III domain are encoded by SEQ ID NO:746 (209-427) and 1192 (186-416).

- 5 Polypeptides having an EF-hand domain are encoded by SEQ ID NO:820 (341-406); 1755 (281-367) and 3285(16-102). Six polypeptides of the protein kinase family are encoded by SEQ ID NOs:1157 (41-444); 1478 (54-437), 1496 (241-520); 2286 (12-182); 2969 (5-387); and 3190 (118-390).

- LIM domain-containing polypeptides are encoded by SEQ ID NO:1269 (79-240); 1309 (248-404); 1360 (222-377); and 1386 (243-398). Two polypeptides of the family having a C2 domain (protein kinase C-like) are encoded by SEQ ID NO:1325 (1-234) and 2282(183-353). Polypeptides having a WD domain, G-beta repeat motif are encoded by SEQ ID NOs:1336 (66-164); 1380 (42-140); 1711 (263-361); 1762 (236-334); 1909 (160-258); 2218 (127-225); 3047 (191-292); 3108 (275-367) and 3292 (208-300).

- 15 SEQ ID NO:1410 (222-350) encodes a member of the trypsin family. SEQ ID NOs:1417 (8-354); 2281 (20-387) and 2310 (20-371) encode members of the protein tyrosine phosphatase family. SEQ ID NOs:1464 (4-180) and 1514 (2-252) encode members of the family having an RNA recognition motif (also known as RRM, RBD, or RNP domain). SEQ ID NOs:1496 (241-520) and 3297(7-153) encode helicases having a conserved C-terminal domain. SEQ ID NO:1538 (9-635) encodes a member of the wnt family of developmental signaling proteins.

- Three polynucleotides encode polypeptides having a homeobox domain: SEQ ID NOs:1676 (9-86); 1820 (123-299); and 1821 (127-303). A novel thioredoxin is encoded by SEQ ID NO:1677 (316-369). Two novel members of the ras family are encoded by SEQ ID NO:1688(109-410) and 3258(138-394). A novel polypeptide having a phosphatidylinositol-specific phospholipase C Y-domain is encoded by SEQ ID NO:1707 (92-439). A novel serine carboxypeptidase is encoded by SEQ ID NO:1744 (238-433). A novel polypeptide having N-terminal homology in the Ets domain is encoded by SEQ ID NO:1811 (184-315). A novel polypeptide having a bromodomain is encoded by SEQ ID NO:1814 (127-294). A novel polypeptide having a double-stranded RNA binding motif is encoded by SEQ ID NO:1818 (9-146). A novel polypeptide having a G-protein alpha subunit is encoded by SEQ ID NO:1846 (12-398).

- 30 SEQ ID NOs:1911 (35-151) and 1980 (60-197) encode polypeptides having a C3HC4 type zinc finger domain (RING finger). SEQ ID NO:2065 (253-306) encodes a polypeptide having a CCHC zinc finger domain. SEQ ID NO:2216 (90-179) encodes a

polypeptide having a WW/rsp5/WWP domain. SEQ ID NO:2428 (25-350) encodes a polypeptide member of the dual specificity phosphatase family, having a catalytic domain.

SEQ ID NOs:2577 (0-311); 3183 (14-215); and 3195 (0-215) encode members of the 4 transmembrane segment integral membrane protein family. SEQ ID NOs:2826 (116-400) and 2871 (198-392) encode polypeptides of the DEAD and DEAH box helicase family. SEQ ID NO:2944 (18-281) encodes a polypeptide having a calpain large subunit, domain III.

SEQ ID NO:3274 (11-187) encodes a eukaryotic transcription factor with a fork head domain. SEQ ID NO:3345 (65-271) encodes a polypeptide having a PDZ domain, and SEQ ID NO:3351 (124-270) encodes a polypeptide in the family of phorbol esters/glycerol binding proteins.

Described below are polynucleotide compositions encompassed by the invention, methods for obtaining cDNA or genomic DNA encoding a full-length gene product, expression of these polynucleotides and genes, identification of structural motifs of the polynucleotides and genes, identification of the function of a gene product encoded by a gene corresponding to a polynucleotide of the invention, use of the provided polynucleotides as probes and in mapping and in tissue profiling, use of the corresponding polypeptides and other gene products to raise antibodies, and use of the polynucleotides and their encoded gene products for therapeutic and diagnostic purposes.

20 Polynucleotide Compositions

The scope of the invention with respect to polynucleotide compositions includes, but is not necessarily limited to, polynucleotides having a sequence set forth in any one of SEQ ID NOs:1-3351; polynucleotides obtained from the biological materials described herein or other biological sources (particularly human sources) by hybridization under stringent conditions (particularly conditions of high stringency); genes corresponding to the provided polynucleotides; variants of the provided polynucleotides and their corresponding genes, particularly those variants that retain a biological activity of the encoded gene product (*e.g.*, a biological activity ascribed to a gene product corresponding to the provided polynucleotides as a result of the assignment of the gene product to a protein family(ies) and/or identification of a functional domain present in the gene product). Other nucleic acid compositions contemplated by and within the scope of the present invention will be readily apparent to one of ordinary skill in the art when provided with the disclosure here. "Polynucleotide" and "nucleic acid" as used herein with reference

to nucleic acids of the composition is not intended to be limiting as to the length or structure of the nucleic acid unless specifically indicated.

The invention features polynucleotides that are expressed in human tissue, specifically human colon, breast, and/or lung tissue. Novel nucleic acid compositions of the invention comprise a sequence set forth in any one of SEQ ID NOs:1-3351 or an identifying sequence thereof. An "identifying sequence" is a contiguous sequence of residues at least about 10 nt to about 20 nt in length, usually at least about 50 nt to about 100 nt in length, that uniquely identifies a polynucleotide sequence, *e.g.*, exhibits less than 90%, usually less than about 80% to about 85% sequence identity to any contiguous nucleotide sequence of more than about 20 nt. Thus, the subject novel nucleic acid compositions include full length cDNAs or mRNAs that encompass an identifying sequence of contiguous nucleotides from any one of SEQ ID NOs:1-3351.

The polynucleotides of the invention also include polynucleotides having sequence similarity or sequence identity. Nucleic acids having sequence similarity are detected by hybridization under low stringency conditions, for example, at 50°C and 10XSSC (0.9 M saline/0.09 M sodium citrate) and remain bound when subjected to washing at 55°C in 1XSSC. Sequence identity can be determined by hybridization under stringent conditions, for example, at 50°C or higher and 0.1XSSC (9 mM saline/0.9 mM sodium citrate). Hybridization methods and conditions are well known in the art, see, *e.g.*, U.S. Patent No. 5,707,829. Nucleic acids that are substantially identical to the provided polynucleotide sequences, *e.g.*, allelic variants, genetically altered versions of the gene, *etc.*, bind to the provided polynucleotide sequences (SEQ ID NOs:1-3351) under stringent hybridization conditions. By using probes, particularly labeled probes of DNA sequences, one can isolate homologous or related genes. The source of homologous genes can be any species, *e.g.*, primate species, particularly human; rodents, such as rats and mice; canines, felines, bovines, ovines, equines, yeast, nematodes, *etc.*

Preferably, hybridization is performed using at least 15 contiguous nucleotides (nt) of at least one of SEQ ID NOs:1-3351. That is, when at least 15 contiguous nt of one of the disclosed SEQ ID NOs. is used as a probe, the probe will preferentially hybridize with a nucleic acid comprising the complementary sequence, allowing the identification and retrieval of the nucleic acids that uniquely hybridize to the selected probe. Probes from more than one SEQ ID NO. can hybridize with the same nucleic acid if the cDNA from which they were derived corresponds to one mRNA. Probes of more than 15 nt can be used, *e.g.*, probes of from about 18 nt to about 100 nt, but 15 nt represents sufficient sequence for unique identification.

The polynucleotides of the invention also include naturally occurring variants of the nucleotide sequences (*e.g.*, degenerate variants, allelic variants). Variants of the polynucleotides of the invention are identified by hybridization of putative variants with nucleotide sequences disclosed herein, preferably by hybridization under stringent
 5 conditions. For example, by using appropriate wash conditions, variants of the polynucleotides of the invention can be identified where the allelic variant exhibits at most about 25-30% base pair (bp) mismatches relative to the selected polynucleotide probe. In general, allelic variants contain 15-25% bp mismatches, and can contain as little as even 5-15%, or 2-5%, or 1-2% bp mismatches, as well as a single bp mismatch.

10 The invention also encompasses homologs corresponding to the polynucleotides of SEQ ID NOs:1-3351, where the source of homologous genes can be any mammalian species, *e.g.*, primate species, particularly human; rodents, such as rats; canines, felines, bovines, ovines, equines, yeast, nematodes, *etc.* Between mammalian species, *e.g.*, human and mouse, homologs generally have substantial sequence similarity,
 15 *e.g.*, at least 75% sequence identity, usually at least 90%, more usually at least 95% between nucleotide sequences. Sequence similarity is calculated based on a reference sequence, which may be a subset of a larger sequence, such as a conserved motif, coding region, flanking region, *etc.* A reference sequence will usually be at least about 18 contiguous nt long, more usually at least about 30 nt long, and may extend to the complete
 20 sequence that is being compared. Algorithms for sequence analysis are known in the art, such as BLAST, described in Altschul et al., *J. Mol. Biol.* (1990) 215:403-10.

In general, variants of the invention have a sequence identity greater than at least about 65%, preferably at least about 75%, more preferably at least about 85%, and can be greater than at least about 90%, 91%, 92%, 93%, 94%, 95%, or 96%, most preferably
 25 97%, 98% or 99%. For the purposes of this invention, a preferred method of calculating percent identity is the Smith-Waterman algorithm, using the following. Global DNA sequence identity must be greater than 65% as determined by the Smith-Waterman homology search algorithm as implemented in MPSRCH program (Oxford Molecular) using an affine gap search with the following search parameters: gap open penalty, 12; and
 30 gap extension penalty, 1.

The subject nucleic acids can be cDNAs or genomic DNAs, as well as fragments thereof, particularly fragments that encode a biologically active gene product and/or are useful in the methods disclosed herein (*e.g.*, in diagnosis, as a unique identifier of a differentially expressed gene of interest, *etc.*). The term "cDNA" as used herein is
 35 intended to include all nucleic acids that share the arrangement of sequence elements found

in native mature mRNA species, where sequence elements are exons and 3' and 5' non-coding regions. Normally mRNA species have contiguous exons, with the intervening introns, when present, being removed by nuclear RNA splicing, to create a continuous open reading frame encoding a polypeptide of the invention.

5 A genomic sequence of interest comprises the nucleic acid present between the initiation codon and the stop codon, as defined in the listed sequences, including all of the introns that are normally present in a native chromosome. It can further include the 3' and 5' untranslated regions found in the mature mRNA. It can further include specific transcriptional and translational regulatory sequences, such as promoters, enhancers, *etc.*,
10 including about 1 kb, but possibly more, of flanking genomic DNA at either the 5' and 3' end of the transcribed region. The genomic DNA can be isolated as a fragment of 100 kbp or smaller; and substantially free of flanking chromosomal sequence. The genomic DNA flanking the coding region, either 3' and 5', or internal regulatory sequences as sometimes found in introns, contains sequences required for proper tissue, stage-specific, or disease-state specific expression.
15

The nucleic acid compositions of the subject invention can encode all or a part of the subject polypeptides. Double or single stranded fragments can be obtained from the DNA sequence by chemically synthesizing oligonucleotides in accordance with conventional methods, by restriction enzyme digestion, by PCR amplification, *etc.* Isolated
20 polynucleotides and polynucleotide fragments of the invention comprise at least about 10, about 15, about 20, about 35, about 50, about 100, about 150 to about 200, about 250 to about 300, or about 350 contiguous nt selected from the polynucleotide sequences as shown in SEQ ID NOs:1-3351. The fragments also include those of lengths intermediate to the specifically mentioned lengths, such as 35, 36, 37, 38, 39, *etc.*; 150, 151, 152, 153, 154,
25 *etc.* For the most part, fragments will be of at least 15 nt, usually at least 18 nt or 25 nt, and up to at least about 50 contiguous nt in length or more. In a preferred embodiment, the polynucleotide molecules comprise a contiguous sequence of at least 12 nt selected from the group consisting of the polynucleotides shown in SEQ ID NOs:1-3351.

Probes specific to the polynucleotides of the invention can be generated
30 using the polynucleotide sequences disclosed in SEQ ID NOs:1-3351. The probes are preferably at least about a 12, 15, 16, 18, 20, 22, 24, or 25 nt fragment of a corresponding contiguous sequence of SEQ ID NOs:1-3351, and can be less than 2, 1, 0.5, 0.1, or 0.05 kb in length. The probes can be synthesized chemically or can be generated from longer polynucleotides using restriction enzymes. The probes can be labeled, for example, with a
35 radioactive, biotinylated, or fluorescent tag. Preferably, probes are designed based upon an

identifying sequence of a polynucleotide of one of SEQ ID NOs:1-3351. More preferably, probes are designed based on a contiguous sequence of one of the subject polynucleotides that remain unmasked following application of a masking program for masking low complexity (*e.g.*, XBLAST) to the sequence., *i.e.*, one would select an unmasked region, as
 5 indicated by the polynucleotides outside the poly-n stretches of the masked sequence produced by the masking program.

The polynucleotides of the subject invention are isolated and obtained in substantial purity, generally as other than an intact chromosome. Usually, the polynucleotides, either as DNA or RNA, will be obtained substantially free of other
 10 naturally-occurring nucleic acid sequences, generally being at least about 50%, usually at least about 90% pure and are typically "recombinant", *e.g.*, flanked by one or more nucleotides with which it is not normally associated on a naturally occurring chromosome.

The polynucleotides of the invention can be provided as a linear molecule or within a circular molecule, and can be provided within autonomously replicating molecules
 15 (vectors) or within molecules without replication sequences. Expression of the polynucleotides can be regulated by their own or by other regulatory sequences known in the art. The polynucleotides of the invention can be introduced into suitable host cells using a variety of techniques available in the art, such as transferrin polycation-mediated DNA transfer, transfection with naked or encapsulated nucleic acids, liposome-mediated
 20 DNA transfer, intracellular transportation of DNA-coated latex beads, protoplast fusion, viral infection, electroporation, gene gun, calcium phosphate-mediated transfection, and the like.

The subject nucleic acid compositions can be used to, for example, produce polypeptides, as probes for the detection of mRNA of the invention in biological samples
 25 (*e.g.*, extracts of human cells) to generate additional copies of the polynucleotides, to generate ribozymes or antisense oligonucleotides, and as single stranded DNA probes or as triple-strand forming oligonucleotides. The probes described herein can be used to, for example, determine the presence or absence of the polynucleotide sequences as shown in SEQ ID NOs:1-3351 or variants thereof in a sample. These and other uses are described in
 30 more detail below.

Use of Polynucleotides to Obtain Full-Length cDNA, Gene, and Promoter Region

Full-length cDNA molecules comprising the disclosed polynucleotides are obtained as follows. A polynucleotide having a sequence of one of SEQ ID NOs:1-3351,

or a portion thereof comprising at least 12, 15, 18, or 20 nt, is used as a hybridization probe to detect hybridizing members of a cDNA library using probe design methods, cloning methods, and clone selection techniques such as those described in U.S. Patent No. 5,654,173. Libraries of cDNA are made from selected tissues, such as normal or tumor
5 tissue, or from tissues of a mammal treated with, for example, a pharmaceutical agent. Preferably, the tissue is the same as the tissue from which the polynucleotides of the invention were isolated, as both the polynucleotides described herein and the cDNA represent expressed genes. Most preferably, the cDNA library is made from the biological material described herein in the Examples. The choice of cell type for library construction
10 can be made after the identity of the protein encoded by the gene corresponding to the polynucleotide of the invention is known. This will indicate which tissue and cell types are likely to express the related gene, and thus represent a suitable source for the mRNA for generating the cDNA. As described in the Examples, cDNA of the invention was isolated from specific cell or tissue types, and such cells and tissues are preferable for obtaining
15 related nucleic acids.

Techniques for producing and probing nucleic acid sequence libraries are described, for example, in Sambrook et al., *Molecular Cloning: A Laboratory Manual, 2nd Ed.*, (1989) Cold Spring Harbor Press, Cold Spring Harbor, NY. The cDNA can be prepared by using primers based on sequence from SEQ ID NOs:1-3351. In one
20 embodiment, the cDNA library can be made from only poly-adenylated mRNA. Thus, poly-T primers can be used to prepare cDNA from the mRNA.

Members of the library that are larger than the provided polynucleotides, and preferably that encompass the complete coding sequence of the native message, are obtained. In order to confirm that the entire cDNA has been obtained, RNA protection
25 experiments are performed as follows. Hybridization of a full-length cDNA to an mRNA will protect the RNA from RNase degradation. If the cDNA is not full length, then the portions of the mRNA that are not hybridized will be subject to RNase degradation. This is assayed, as is known in the art, by changes in electrophoretic mobility on polyacrylamide gels, or by detection of released monoribonucleotides. Sambrook et al., *Molecular*
30 *Cloning: A Laboratory Manual, 2nd Ed.*, (1989) Cold Spring Harbor Press, Cold Spring Harbor, NY. In order to obtain additional sequences 5' to the end of a partial cDNA, 5' RACE (*PCR Protocols: A Guide to Methods and Applications*, (1990) Academic Press, Inc.) can be performed.

Genomic DNA is isolated using the provided polynucleotides in a manner
35 similar to the isolation of full-length cDNAs. Briefly, the provided polynucleotides, or

portions thereof, are used as probes to libraries of genomic DNA. Preferably, the library is obtained from the cell type that was used to generate the polynucleotides of the invention, but this is not essential. Most preferably, the genomic DNA is obtained from the biological material described herein in the Examples. Such libraries can be in vectors suitable for

5 carrying large segments of a genome, such as P1 or YAC, as described in detail in Sambrook et al., 9.4-9.30. In addition, genomic sequences can be isolated from human BAC libraries, which are commercially available from Research Genetics, Inc., Huntsville, Alabama, USA, for example. In order to obtain additional 5' or 3' sequences, chromosome walking is performed, as described in Sambrook et al., such that adjacent and overlapping

10 fragments of genomic DNA are isolated. These are mapped and pieced together, as is known in the art, using restriction digestion enzymes and DNA ligase.

Using the polynucleotide sequences of the invention, corresponding full-length genes can be isolated using both classical and PCR methods to construct and probe cDNA libraries. Using either method, Northern blots, preferably, are performed on a

15 number of cell types to determine which cell lines express the gene of interest at the highest level. Classical methods of constructing cDNA libraries are taught in Sambrook et al., *supra*. With these methods, cDNA can be produced from mRNA and inserted into viral or expression vectors. Typically, libraries of mRNA comprising poly(A) tails can be produced with poly(T) primers. Similarly, cDNA libraries can be produced using the

20 instant sequences as primers.

PCR methods are used to amplify the members of a cDNA library that comprise the desired insert. In this case, the desired insert will contain sequence from the full length cDNA that corresponds to the instant polynucleotides. Such PCR methods include gene trapping and RACE methods as described in Gruber et al., WO 95/04745 and

25 Gruber et al., U.S. Patent No. 5,500,356. Kits are commercially available to perform gene trapping experiments from, for example, Life Technologies, Gaithersburg, Maryland, USA. In preferred embodiments of RACE, a common primer is designed to anneal to an arbitrary adaptor sequence ligated to cDNA ends (Apte and Siebert, *Biotechniques* (1993) 15:890-893; Edwards et al., *Nuc. Acids Res.* (1991) 19:5227-5232). When a single gene-specific

30 RACE primer is paired with the common primer, preferential amplification of sequences between the single gene specific primer and the common primer occurs. Commercial cDNA pools modified for use in RACE are available.

The promoter region of a gene generally is located 5' to the initiation site for RNA polymerase II. Hundreds of promoter regions contain the "TATA" box, a sequence

35 such as TATTA or TATAA, which is sensitive to mutations. The promoter region can be

obtained by performing 5' RACE using a primer from the coding region of the gene. Alternatively, the cDNA can be used as a probe for the genomic sequence, and the region 5' to the coding region is identified by "walking up." If the gene is highly expressed or differentially expressed, the promoter from the gene can be of use in a regulatory construct
 5 for a heterologous gene.

Once the full-length cDNA or gene is obtained, DNA encoding variants can be prepared by site-directed mutagenesis, described in detail in Sambrook et al., 15.3-15.63. The choice of codon or nucleotide to be replaced can be based on disclosure herein on optional changes in amino acids to achieve altered protein structure and/or function.

10 As an alternative method to obtaining DNA or RNA from a biological material, nucleic acid comprising nucleotides having the sequence of one or more polynucleotides of the invention can be synthesized. Thus, the invention encompasses nucleic acid molecules ranging in length from 15 nt (corresponding to at least 15 contiguous nt of one of SEQ ID NOs:1-3351) up to a maximum length suitable for one or
 15 more biological manipulations, including replication and expression, of the nucleic acid molecule. The invention includes but is not limited to (a) nucleic acid having the size of a full gene, and comprising at least one of SEQ ID NOs:1-3351; (b) the nucleic acid of (a) also comprising at least one additional polynucleotide or gene, operably linked to permit expression of a fusion protein; (c) an expression vector comprising (a) or (b); (d) a plasmid
 20 comprising (a) or (b); and (e) a recombinant viral particle comprising (a) or (b). Once provided with the polynucleotides disclosed herein, construction or preparation of (a) - (e) are well within the skill in the art.

The sequence of a nucleic acid comprising at least 15 contiguous nt of at least any one of SEQ ID NOs:1-3351, preferably the entire sequence of at least any one of
 25 SEQ ID NOs:1-3351, is not limited and can be any sequence of A, T, G, and/or C (for DNA) and A, U, G, and/or C (for RNA) or modified bases thereof, including inosine and pseudouridine. The choice of sequence will depend on the desired function and can be dictated by coding regions desired, the intron-like regions desired, and the regulatory regions desired. Where the entire sequence of any one of SEQ ID NOs:1-3351 is within
 30 the nucleic acid, the nucleic acid obtained is referred to herein as a polynucleotide comprising the sequence of any one of SEQ ID NOs:1-3351.

Expression of Polypeptide Encoded by Full-Length cDNA or Full-Length Gene

The provided polynucleotides (*e.g.*, a polynucleotide having a sequence of one of SEQ ID NOs:1-3351), the corresponding cDNA, or the full-length gene is used to express a partial or complete gene product. Constructs of polynucleotides having sequences of SEQ ID NOs:1-3351 can be generated synthetically. Alternatively, single-step assembly of a gene and entire plasmid from large numbers of oligodeoxyribonucleotides is described by, *e.g.*, Stemmer et al., *Gene (Amsterdam)* (1995) 164(1):49-53. In this method, assembly PCR (the synthesis of long DNA sequences from large numbers of oligodeoxyribonucleotides (oligos)) is described. The method is derived from DNA shuffling (Stemmer, *Nature* (1994) 370:389-391), and does not rely on DNA ligase, but instead relies on DNA polymerase to build increasingly longer DNA fragments during the assembly process.

Appropriate polynucleotide constructs are purified using standard recombinant DNA techniques as described in, for example, Sambrook et al., *Molecular Cloning: A Laboratory Manual, 2nd Ed.*, (1989) Cold Spring Harbor Press, Cold Spring Harbor, NY, and under current regulations described in United States Dept. of HHS, National Institute of Health (NIH) Guidelines for Recombinant DNA Research. The gene product encoded by a polynucleotide of the invention is expressed in any expression system, including, for example, bacterial, yeast, insect, amphibian and mammalian systems. Vectors, host cells and methods for obtaining expression in same are well known in the art. Suitable vectors and host cells are described in U.S. Patent No. 5,654,173.

Polynucleotide molecules comprising a polynucleotide sequence provided herein are generally propagated by placing the molecule in a vector. Viral and non-viral vectors are used, including plasmids. The choice of plasmid will depend on the type of cell in which propagation is desired and the purpose of propagation. Certain vectors are useful for amplifying and making large amounts of the desired DNA sequence. Other vectors are suitable for expression in cells in culture. Still other vectors are suitable for transfer and expression in cells in a whole animal or person. The choice of appropriate vector is well within the skill of the art. Many such vectors are available commercially. Methods for preparation of vectors comprising a desired sequence are well known in the art.

The polynucleotides set forth in SEQ ID NOs:1-3351 or their corresponding full-length polynucleotides are linked to regulatory sequences as appropriate to obtain the desired expression properties. These can include promoters (attached either at the 5' end of the sense strand or at the 3' end of the antisense strand), enhancers, terminators, operators, repressors, and inducers. The promoters can be regulated or constitutive. In some

situations it may be desirable to use conditionally active promoters, such as tissue-specific or developmental stage-specific promoters. These are linked to the desired nucleotide sequence using the techniques described above for linkage to vectors. Any techniques known in the art can be used.

5 When any appropriate host cells or organisms are used to replicate and/or express the polynucleotides or nucleic acids of the invention, the resulting replicated nucleic acid, RNA, expressed protein or polypeptide, is within the scope of the invention as a product of the host cell or organism. The product is recovered by any appropriate means known in the art.

10 Once the gene corresponding to a selected polynucleotide is identified, its expression can be regulated in the cell to which the gene is native. For example, an endogenous gene of a cell can be regulated by an exogenous regulatory sequence as disclosed in U.S. Patent No. 5,641,670.

Identification of Functional and Structural Motifs of Novel Genes

15 Translations of the nucleotide sequence of the provided polynucleotides, cDNAs or full genes can be aligned with individual known sequences. Similarity with individual sequences can be used to determine the activity of the polypeptides encoded by the polynucleotides of the invention. Also, sequences exhibiting similarity with more than one individual sequence can exhibit activities that are characteristic of either or both
20 individual sequences.

 The full length sequences and fragments of the polynucleotide sequences of the nearest neighbors can be used as probes and primers to identify and isolate the full length sequence corresponding to provided polynucleotides. The nearest neighbors can indicate a tissue or cell type to be used to construct a library for the full-length sequences
25 corresponding to the provided polynucleotides.

 Typically, a selected polynucleotide is translated in all six frames to determine the best alignment with the individual sequences. The sequences disclosed herein in the Sequence Listing are in a 5' to 3' orientation and translation in three frames can be sufficient. These amino acid sequences are referred to, generally, as query
30 sequences, which will be aligned with the individual sequences. Databases with individual sequences are described in "Computer Methods for Macromolecular Sequence Analysis" *Methods in Enzymology* (1996) 266, Doolittle, Academic Press, Inc., a division of Harcourt

Brace & Co., San Diego, California, USA. Databases include Genbank, EMBL, and DNA Database of Japan (DDBJ).

Query and individual sequences can be aligned using the methods and computer programs described above, and include BLAST, available over the world wide web at <http://www.ncbi.nlm.nih.gov/BLAST>. Another alignment algorithm is Fasta, available in the Genetics Computing Group (GCG) package, Madison, Wisconsin, USA, a wholly owned subsidiary of Oxford Molecular Group, Inc. Other techniques for alignment are described in Doolittle, *supra*. Preferably, an alignment program that permits gaps in the sequence is utilized to align the sequences. The Smith-Waterman is one type of algorithm that permits gaps in sequence alignments. See *Meth. Mol. Biol.* (1997) 70: 173-187. Also, the GAP program using the Needleman and Wunsch alignment method can be utilized to align sequences. An alternative search strategy uses MPSRCH software, which runs on a MASPAR computer. MPSRCH uses a Smith-Waterman algorithm to score sequences on a massively parallel computer. This approach improves ability to identify sequences that are distantly related matches, and is especially tolerant of small gaps and nucleotide sequence errors. Amino acid sequences encoded by the provided polynucleotides can be used to search both protein and DNA databases.

High Similarity. In general, in alignment results considered to be of high similarity, the percent of the alignment region length is typically at least about 55% of total length query sequence; more typically, at least about 58%; even more typically; at least about 60% of the total residue length of the query sequence. Usually, percent length of the alignment region can be as much as about 62%; more usually, as much as about 64%; even more usually, as much as about 66%. Further, for high similarity, the region of alignment, typically, exhibits at least about 75% of sequence identity; more typically, at least about 78%; even more typically; at least about 80% sequence identity. Usually, percent sequence identity can be as much as about 82%; more usually, as much as about 84%; even more usually, as much as about 86%.

The p value is used in conjunction with these methods. If high similarity is found, the query sequence is considered to have high similarity with a profile sequence when the p value is less than or equal to about 10^{-2} ; more usually; less than or equal to about 10^{-3} ; even more usually; less than or equal to about 10^{-4} . More typically, the p value is no more than about 10^{-5} ; more typically; no more than or equal to about 10^{-10} ; even more typically; no more than or equal to about 10^{-15} for the query sequence to be considered high similarity.

Similarity Determined by Sequence Identity Alone. Sequence identity alone can be used to determine similarity of a query sequence to an individual sequence and can indicate the activity of the sequence. Such an alignment, preferably, permits gaps to align sequences. Typically, the query sequence is related to the profile sequence if the sequence identity over the entire query sequence is at least about 15%; more typically, at least about 20%; even more typically, at least about 25%; even more typically, at least about 50%. Sequence identity alone as a measure of similarity is most useful when the query sequence is usually, at least 80 residues in length; more usually, 90 residues; even more usually, at least 95 amino acid residues in length. More typically, similarity can be concluded based on sequence identity alone when the query sequence is preferably 100 residues in length; more preferably, 120 residues in length; even more preferably, 150 amino acid residues in length.

Alignments with Profile and Multiple Aligned Sequences. Translations of the provided polynucleotides can be aligned with amino acid profiles that define either protein families or common motifs. Also, translations of the provided polynucleotides can be aligned to multiple sequence alignments (MSA) comprising the polypeptide sequences of members of protein families or motifs. Similarity or identity with profile sequences or MSAs can be used to determine the activity of the gene products (*e.g.*, polypeptides) encoded by the provided polynucleotides or corresponding cDNA or genes. For example, sequences that show an identity or similarity with a chemokine profile or MSA can exhibit chemokine activities.

Profiles can be designed manually by (1) creating an MSA, which is an alignment of the amino acid sequence of members that belong to the family and (2) constructing a statistical representation of the alignment. Such methods are described, for example, in Birney et al., *Nucl. Acid Res.* (1996) 24(14): 2730-2739. MSAs of some protein families and motifs are publicly available. MSAs are described also in Sonnhammer et al., *Proteins* (1997) 28: 405-420. A brief description of MSAs is reported in Pascarella et al., *Prot. Eng.* (1996) 9(3):249-251. Techniques for building profiles from MSAs are described in Sonnhammer et al., *supra*; Birney et al., *supra*; and "Computer Methods for Macromolecular Sequence Analysis," *Methods in Enzymology* (1996) 266, Doolittle, Academic Press, Inc., San Diego, California, USA.

Similarity between a query sequence and a protein family or motif can be determined by (a) comparing the query sequence against the profile and/or (b) aligning the query sequence with the members of the family or motif. Typically, a program such as Searchwise is used to compare the query sequence to the statistical representation of the

multiple alignment, also known as a profile (see Birney et al., *supra*). Other techniques to compare the sequence and profile are described in Sonnhammer et al., *supra* and Doolittle, *supra*.

- Next, methods described by Feng et al., *J. Mol. Evol.* (1987) 25:351 and
- 5 Higgins et al., *CABIOS* (1989) 5:151 can be used align the query sequence with the members of a family or motif, also known as a MSA. Sequence alignments can be generated using any of a variety of software tools. Examples include PileUp, which creates a multiple sequence alignment, and is described in Feng et al., *J. Mol. Evol.* (1987) 25:351. Another method, GAP, uses the alignment method of Needleman et al., *J. Mol.*
- 10 *Biol.* (1970) 48:443. GAP is best suited for global alignment of sequences. A third method, BestFit, functions by inserting gaps to maximize the number of matches using the local homology algorithm of Smith et al., *Adv. Appl. Math.* (1981) 2:482. In general, the following factors are used to determine if a similarity between a query sequence and a profile or MSA exists: (1) number of conserved residues found in the query sequence, (2)
- 15 percentage of conserved residues found in the query sequence, (3) number of frameshifts, and (4) spacing between conserved residues.

- Some alignment programs that both translate and align sequences can make any number of frameshifts when translating the nucleotide sequence to produce the best alignment. The fewer frameshifts needed to produce an alignment, the stronger the
- 20 similarity or identity between the query and profile or MSAs. For example, a weak similarity resulting from no frameshifts can be a better indication of activity or structure of a query sequence, than a strong similarity resulting from two frameshifts. Preferably, three or fewer frameshifts are found in an alignment; more preferably two or fewer frameshifts; even more preferably, one or fewer frameshifts; even more preferably, no frameshifts are
- 25 found in an alignment of query and profile or MSAs.

- Conserved residues are those amino acids found at a particular position in all or some of the family or motif members. Alternatively, a position is considered conserved if only a certain class of amino acids is found in a particular position in all or some of the family members. For example, the N-terminal position can contain a
- 30 positively charged amino acid, such as lysine, arginine, or histidine.

Typically, a residue of a polypeptide is conserved when a class of amino acids or a single amino acid is found at a particular position in at least about 40% of all class members; more typically, at least about 50%; even more typically, at least about 60% of the members. Usually, a residue is conserved when a class or single amino acid is found

in at least about 70% of the members of a family or motif; more usually, at least about 80%; even more usually, at least about 90%; even more usually, at least about 95%.

A residue is considered conserved when three unrelated amino acids are found at a particular position in the some or all of the members; more usually, two
 5 unrelated amino acids. These residues are conserved when the unrelated amino acids are found at particular positions in at least about 40% of all class member; more typically, at least about 50%; even more typically, at least about 60% of the members. Usually, a residue is conserved when a class or single amino acid is found in at least about 70% of the members of a family or motif; more usually, at least about 80%; even more usually, at least
 10 about 90%; even more usually, at least about 95%.

A query sequence has similarity to a profile or MSA when the query sequence comprises at least about 25% of the conserved residues of the profile or MSA; more usually, at least about 30%; even more usually; at least about 40%. Typically, the query sequence has a stronger similarity to a profile sequence or MSA when the query
 15 sequence comprises at least about 45% of the conserved residues of the profile or MSA; more typically, at least about 50%; even more typically; at least about 55%.

Identification of Secreted and Membrane-Bound Polypeptides

Both secreted and membrane-bound polypeptides of the present invention are of particular interest. For example, levels of secreted polypeptides can be assayed in
 20 body fluids that are convenient, such as blood, plasma, serum, and other body fluids such as urine, prostatic fluid and semen. Membrane-bound polypeptides are useful for constructing vaccine antigens or inducing an immune response. Such antigens would comprise all or part of the extracellular region of the membrane-bound polypeptides. Because both secreted and membrane-bound polypeptides comprise a fragment of
 25 contiguous hydrophobic amino acids, hydrophobicity predicting algorithms can be used to identify such polypeptides.

A signal sequence is usually encoded by both secreted and membrane-bound polypeptide genes to direct a polypeptide to the surface of the cell. The signal sequence usually comprises a stretch of hydrophobic residues. Such signal sequences can fold into
 30 helical structures. Membrane-bound polypeptides typically comprise at least one transmembrane region that possesses a stretch of hydrophobic amino acids that can transverse the membrane. Some transmembrane regions also exhibit a helical structure. Hydrophobic fragments within a polypeptide can be identified by using computer

algorithms. Such algorithms include Hopp & Woods, *Proc. Natl. Acad. Sci. USA* (1981) 78:3824-3828; Kyte & Doolittle, *J. Mol. Biol.* (1982) 157: 105-132; and RAOAR algorithm, Degli Esposti et al., *Eur. J. Biochem.* (1990) 190: 207-219.

Another method of identifying secreted and membrane-bound polypeptides
 5 is to translate the polynucleotides of the invention in all six frames and determine if at least 8 contiguous hydrophobic amino acids are present. Those translated polypeptides with at least 8; more typically, 10; even more typically, 12 contiguous hydrophobic amino acids are considered to be either a putative secreted or membrane bound polypeptide. Hydrophobic amino acids include alanine, glycine, histidine, isoleucine, leucine, lysine,
 10 methionine, phenylalanine, proline, threonine, tryptophan, tyrosine, and valine

Identification of the Function of an Expression Product of a Full-Length Gene

Ribozymes, antisense constructs, and dominant negative mutants can be used to determine function of the expression product of a gene corresponding to a polynucleotide provided herein. The phosphoramidite method of oligonucleotide synthesis
 15 can be used to construct antisense molecules and ribozymes. See Beaucage et al., *Tet. Lett.* (1981) 22:1859 and U.S. Patent No. 4,668,777. Automated devices for synthesis are available to create oligonucleotides using this chemistry. Examples of such devices include Biosearch 8600, Models 392 and 394 by Applied Biosystems, a division of Perkin-Elmer Corp., Foster City, California, USA; and Expedite by Perceptive Biosystems, Framingham,
 20 Massachusetts, USA. Synthetic RNA, phosphate analog oligonucleotides, and chemically derivatized oligonucleotides can also be produced, and can be covalently attached to other molecules. RNA oligonucleotides can be synthesized, for example, using RNA phosphoramidites. This method can be performed on an automated synthesizer, such as Applied Biosystems, Models 392 and 394, Foster City, California, USA.

25 Oligonucleotides of up to 200 nt can be synthesized, more typically, 100 nt, more typically 50 nt; even more typically 30 to 40 nt. These synthetic fragments can be annealed and ligated together to construct larger fragments. See, for example, Sambrook et al., *supra*. Trans-cleaving catalytic RNAs (ribozymes) are RNA molecules possessing endoribonuclease activity. Ribozymes are specifically designed for a particular target, and
 30 the target message must contain a specific nucleotide sequence. They are engineered to cleave any RNA species site-specifically in the background of cellular RNA. The cleavage event renders the mRNA unstable and prevents protein expression. Importantly, ribozymes

can be used to inhibit expression of a gene of unknown function for the purpose of determining its function in an *in vitro* or *in vivo* context, by detecting the phenotypic effect.

Antisense nucleic acids are designed to specifically bind to RNA, resulting in the formation of RNA-DNA or RNA-RNA hybrids, with an arrest of DNA replication, reverse transcription or messenger RNA translation. Antisense polynucleotides based on a selected polynucleotide sequence can interfere with expression of the corresponding gene. Antisense polynucleotides are typically generated within the cell by expression from antisense constructs that contain the antisense strand as the transcribed strand. Antisense polynucleotides based on the disclosed polynucleotides will bind and/or interfere with the translation of mRNA comprising a sequence complementary to the antisense polynucleotide. The expression products of control cells and cells treated with the antisense construct are compared to detect the protein product of the gene corresponding to the polynucleotide upon which the antisense construct is based. The protein is isolated and identified using routine biochemical methods.

Given the extensive background literature and clinical experience in antisense therapy, one skilled in the art can use selected polynucleotides of the invention as additional potential therapeutics. The choice of polynucleotide can be narrowed by first testing them for binding to "hot spot" regions of the genome of cancerous cells. If a polynucleotide is identified as binding to a "hot spot," testing the polynucleotide as an antisense compound in the corresponding cancer cells is warranted.

Dominant negative mutations also are readily generated for corresponding proteins that are active as homomultimers. A mutant polypeptide will interact with wild-type polypeptides (made from the other allele) and form a non-functional multimer. Thus, a mutation is in a substrate-binding domain, a catalytic domain, or a cellular localization domain. Preferably, the mutant polypeptide will be overproduced. Point mutations are made that have such an effect. In addition, fusion of different polypeptides of various lengths to the terminus of a protein can yield dominant negative mutants. General strategies are available for making dominant negative mutants (see, *e.g.*, Herskowitz, *Nature* (1987) 329:219). Such techniques can be used to create loss of function mutations, which are useful for determining protein function.

Polypeptides and Variants Thereof

The polypeptides of the invention include those encoded by the disclosed polynucleotides, as well as nucleic acids that, by virtue of the degeneracy of the genetic

code, are not identical in sequence to the disclosed polynucleotides. Thus, the invention includes within its scope a polypeptide encoded by a polynucleotide having the sequence of any one of SEQ ID NOs:1-3351 or a variant thereof.

In general, the term “polypeptide” as used herein refers to both the full
 5 length polypeptide encoded by the recited polynucleotide, the polypeptide encoded by the gene represented by the recited polynucleotide, as well as portions or fragments thereof. “Polypeptides” also includes variants of the naturally occurring proteins, where such variants are homologous or substantially similar to the naturally occurring protein, and can be of an origin of the same or different species as the naturally occurring protein
 10 (e.g., human, murine, or some other species that naturally expresses the recited polypeptide, usually a mammalian species). In general, variant polypeptides have a sequence that has at least about 80%, usually at least about 90%, and more usually at least about 98% sequence identity with a differentially expressed polypeptide of the invention, as measured by BLAST using the parameters described above. The variant polypeptides can be naturally
 15 or non-naturally glycosylated, *i.e.*, the polypeptide has a glycosylation pattern that differs from the glycosylation pattern found in the corresponding naturally occurring protein.

The invention also encompasses homologs of the disclosed polypeptides (or fragments thereof) where the homologs are isolated from other species, *i.e.*, other animal or plant species, where such homologs, usually mammalian species, *e.g.*, rodents, such as
 20 mice, rats; domestic animals, *e.g.*, horse, cow, dog, cat; and humans. By “homolog” is meant a polypeptide having at least about 35%, usually at least about 40% and more usually at least about 60% amino acid sequence identity to a particular differentially expressed protein as identified above, where sequence identity is determined using the BLAST algorithm, with the parameters described above.

In general, the polypeptides of the subject invention are provided in a non-naturally occurring environment, *e.g.*, are separated from their naturally occurring environment. In certain embodiments, the subject protein is present in a composition that is enriched for the protein as compared to a control. As such, purified polypeptide is provided, where by purified is meant that the protein is present in a composition that is
 30 substantially free of non-differentially expressed polypeptides, where by substantially free is meant that less than 90%, usually less than 60% and more usually less than 50% of the composition is made up of non-differentially expressed polypeptides.

Also within the scope of the invention are variants; variants of polypeptides include mutants, fragments, and fusions. Mutants can include amino acid substitutions,
 35 additions or deletions. The amino acid substitutions can be conservative amino acid

substitutions or substitutions to eliminate non-essential amino acids, such as to alter a glycosylation site, a phosphorylation site or an acetylation site, or to minimize misfolding by substitution or deletion of one or more cysteine residues that are not necessary for function. Conservative amino acid substitutions are those that preserve the general charge, hydrophobicity/ hydrophilicity, and/or steric bulk of the amino acid substituted. Variants can be designed so as to retain biological activity of a particular region of the protein (e.g., a functional domain and/or, where the polypeptide is a member of a protein family, a region associated with a consensus sequence). Selection of amino acid alterations for production of variants can be based upon the accessibility (interior vs. exterior) of the amino acid (see, e.g., Go et al., *Int. J. Peptide Protein Res.* (1980) 15:211), the thermostability of the variant polypeptide (see, e.g., Querol et al., *Prot. Eng.* (1996) 9:265), desired glycosylation sites (see, e.g., Olsen and Thomsen, *J. Gen. Microbiol.* (1991) 137:579), desired disulfide bridges (see, e.g., Clarke et al., *Biochemistry* (1993) 32:4322; and Wakarchuk et al., *Protein Eng.* (1994) 7:1379), desired metal binding sites (see, e.g., Toma et al., *Biochemistry* (1991) 30:97, and Haezebrouck et al., *Protein Eng.* (1993) 6:643), and desired substitutions with in proline loops (see, e.g., Masul et al., *Appl. Env. Microbiol.* (1994) 60:3579). Cysteine-depleted muteins can be produced as disclosed in U.S. Patent No. 4,959,314.

Variants also include fragments of the polypeptides disclosed herein, particularly biologically active fragments and/or fragments corresponding to functional domains. Fragments of interest will typically be at least about 10 aa to at least about 15 aa in length, usually at least about 50 aa in length, and can be as long as 300 aa in length or longer, but will usually not exceed about 1000 aa in length, where the fragment will have a stretch of amino acids that is identical to a polypeptide encoded by a polynucleotide having a sequence of any SEQ ID NOs:1-3351, or a homolog thereof. The protein variants described herein are encoded by polynucleotides that are within the scope of the invention. The genetic code can be used to select the appropriate codons to construct the corresponding variants.

Computer-Related Embodiments

In general, a library of polynucleotides is a collection of sequence information, which information is provided in either biochemical form (e.g., as a collection of polynucleotide molecules), or in electronic form (e.g., as a collection of polynucleotide sequences stored in a computer-readable form, as in a computer system and/or as part of a

computer program). The sequence information of the polynucleotides can be used in a variety of ways, *e.g.*, as a resource for gene discovery, as a representation of sequences expressed in a selected cell type (*e.g.*, cell type markers), and/or as markers of a given disease or disease state. In general, a disease marker is a representation of a gene product
 5 that is present in all cells affected by disease either at an increased or decreased level relative to a normal cell (*e.g.*, a cell of the same or similar type that is not substantially affected by disease). For example, a polynucleotide sequence in a library can be a polynucleotide that represents an mRNA, polypeptide, or other gene product encoded by the polynucleotide, that is either overexpressed or underexpressed in a breast ductal cell
 10 affected by cancer relative to a normal (*i.e.*, substantially disease-free) breast cell.

The nucleotide sequence information of the library can be embodied in any suitable form, *e.g.*, electronic or biochemical forms. For example, a library of sequence information embodied in electronic form comprises an accessible computer data file (or, in biochemical form, a collection of nucleic acid molecules) that contains the representative
 15 nucleotide sequences of genes that are differentially expressed (*e.g.*, overexpressed or underexpressed) as between, for example, i) a cancerous cell and a normal cell; ii) a cancerous cell and a dysplastic cell; iii) a cancerous cell and a cell affected by a disease or condition other than cancer; iv) a metastatic cancerous cell and a normal cell and/or non-metastatic cancerous cell; v) a malignant cancerous cell and a non-malignant cancerous cell
 20 (or a normal cell) and/or vi) a dysplastic cell relative to a normal cell. Other combinations and comparisons of cells affected by various diseases or stages of disease will be readily apparent to the ordinarily skilled artisan. Biochemical embodiments of the library include a collection of nucleic acids that have the sequences of the genes in the library, where the nucleic acids can correspond to the entire gene in the library or to a fragment thereof, as
 25 described in greater detail below.

The polynucleotide libraries of the subject invention generally comprise sequence information of a plurality of polynucleotide sequences, where at least one of the polynucleotides has a sequence of any of SEQ ID NOs:1-3351. By plurality is meant at least 2, usually at least 3 and can include up to all of SEQ ID NOs:1-3351. The length and
 30 number of polynucleotides in the library will vary with the nature of the library, *e.g.*, if the library is an oligonucleotide array, a cDNA array, a computer database of the sequence information, *etc.*

Where the library is an electronic library, the nucleic acid sequence information can be present in a variety of media. "Media" refers to a manufacture, other
 35 than an isolated nucleic acid molecule, that contains the sequence information of the

present invention. Such a manufacture provides the genome sequence or a subset thereof in a form that can be examined by means not directly applicable to the sequence as it exists in a nucleic acid. For example, the nucleotide sequence of the present invention, *e.g.*, the nucleic acid sequences of any of the polynucleotides of SEQ ID NOs:1-3351, can be recorded on computer readable media, *e.g.*, any medium that can be read and accessed directly by a computer. Such media include, but are not limited to: magnetic storage media, such as a floppy disc, a hard disc storage medium, and a magnetic tape; optical storage media such as CD-ROM; electrical storage media such as RAM and ROM; and hybrids of these categories such as magnetic/optical storage media. One of skill in the art can readily appreciate how any of the presently known computer readable mediums can be used to create a manufacture comprising a recording of the present sequence information. "Recorded" refers to a process for storing information on computer readable medium, using any such methods as known in the art. Any convenient data storage structure can be chosen, based on the means used to access the stored information. A variety of data processor programs and formats can be used for storage, *e.g.*, word processing text file, database format, *etc.* In addition to the sequence information, electronic versions of the libraries of the invention can be provided in conjunction or connection with other computer-readable information and/or other types of computer-readable files (*e.g.*, searchable files, executable files, *etc.*, including, but not limited to, for example, search program software, *etc.*).

By providing the nucleotide sequence in computer readable form, the information can be accessed for a variety of purposes. Computer software to access sequence information is publicly available. For example, the BLAST (Altschul et al., *supra.*) and BLAZE (Brutlag et al. *Comp. Chem.* (1993) 17:203) search algorithms on a Sybase system can be used to identify open reading frames (ORFs) within the genome that contain homology to ORFs from other organisms.

As used herein, "a computer-based system" refers to the hardware means, software means, and data storage means used to analyze the nucleotide sequence information of the present invention. The minimum hardware of the computer-based systems of the present invention comprises a central processing unit (CPU), input means, output means, and data storage means. A skilled artisan can readily appreciate that any one of the currently available computer-based system are suitable for use in the present invention. The data storage means can comprise any manufacture comprising a recording of the present sequence information as described above, or a memory access means that can access such a manufacture.

“Search means” refers to one or more programs implemented on the computer-based system, to compare a target sequence or target structural motif, or expression levels of a polynucleotide in a sample, with the stored sequence information. Search means can be used to identify fragments or regions of the genome that match a particular target sequence or target motif. A variety of known algorithms are publicly known and commercially available, *e.g.*, MacPattern (EMBL), BLASTN and BLASTX (NCBI). A “target sequence” can be any polynucleotide or amino acid sequence of six or more contiguous nucleotides or two or more amino acids, preferably from about 10 to 100 amino acids or from about 30 to 300 nt. A variety of comparing means can be used to accomplish comparison of sequence information from a sample (*e.g.*, to analyze target sequences, target motifs, or relative expression levels) with the data storage means. A skilled artisan can readily recognize that any one of the publicly available homology search programs can be used as the search means for the computer based systems of the present invention to accomplish comparison of target sequences and motifs. Computer programs to analyze expression levels in a sample and in controls are also known in the art.

A “target structural motif,” or “target motif,” refers to any rationally selected sequence or combination of sequences in which the sequence(s) are chosen based on a three-dimensional configuration that is formed upon the folding of the target motif, or on consensus sequences of regulatory or active sites. There are a variety of target motifs known in the art. Protein target motifs include, but are not limited to, enzyme active sites and signal sequences. Nucleic acid target motifs include, but are not limited to, hairpin structures, promoter sequences and other expression elements such as binding sites for transcription factors.

A variety of structural formats for the input and output means can be used to input and output the information in the computer-based systems of the present invention. One format for an output means ranks the relative expression levels of different polynucleotides. Such presentation provides a skilled artisan with a ranking of relative expression levels to determine a gene expression profile.

As discussed above, the “library” of the invention also encompasses biochemical libraries of the polynucleotides of SEQ ID NOs:1-3351, *e.g.*, collections of nucleic acids representing the provided polynucleotides. The biochemical libraries can take a variety of forms, *e.g.*, a solution of cDNAs, a pattern of probe nucleic acids stably associated with a surface of a solid support (*i.e.*, an array) and the like. Of particular interest are nucleic acid arrays in which one or more of SEQ ID NOs:1-3351 is represented on the array. By array is meant an article of manufacture that has at least a substrate with at

least two distinct nucleic acid targets on one of its surfaces, where the number of distinct nucleic acids can be considerably higher, typically being at least 10 nt, usually at least 20 nt and often at least 25 nt. A variety of different array formats have been developed and are known to those of skill in the art. The arrays of the subject invention find use in a variety of applications, including gene expression analysis, drug screening, mutation analysis and the like, as disclosed in the above-listed exemplary patent documents.

In addition to the above nucleic acid libraries, analogous libraries of polypeptides are also provided, where the where the polypeptides of the library will represent at least a portion of the polypeptides encoded by SEQ ID NOs:1-3351.

10 Use of Polynucleotide Probes in Mapping, and in Tissue Profiling

Polynucleotide probes, generally comprising at least 12 contiguous nt of a polynucleotide as shown in the Sequence Listing, are used for a variety of purposes, such as chromosome mapping of the polynucleotide and detection of transcription levels. Additional disclosure about preferred regions of the disclosed polynucleotide sequences is found in the Examples. A probe that hybridizes specifically to a polynucleotide disclosed herein should provide a detection signal at least 5-, 10-, or 20-fold higher than the background hybridization provided with other unrelated sequences.

Detection of Expression Levels. Nucleotide probes are used to detect expression of a gene corresponding to the provided polynucleotide. In Northern blots, mRNA is separated electrophoretically and contacted with a probe. A probe is detected as hybridizing to an mRNA species of a particular size. The amount of hybridization is quantitated to determine relative amounts of expression, for example under a particular condition. Probes are used for *in situ* hybridization to cells to detect expression. Probes can also be used *in vivo* for diagnostic detection of hybridizing sequences. Probes are typically labeled with a radioactive isotope. Other types of detectable labels can be used such as chromophores, fluors, and enzymes. Other examples of nucleotide hybridization assays are described in WO92/02526 and U.S. Patent No. 5,124,246.

Alternatively, the Polymerase Chain Reaction (PCR) is another means for detecting small amounts of target nucleic acids (see, *e.g.*, Mullis et al., *Meth. Enzymol.* (1987) 155:335; U.S. Patent No. 4,683,195; and U.S. Patent No. 4,683,202). Two primer polynucleotides nucleotides that hybridize with the target nucleic acids are used to prime the reaction. The primers can be composed of sequence within or 3' and 5' to the polynucleotides of the Sequence Listing. Alternatively, if the primers are 3' and 5' to these

polynucleotides, they need not hybridize to them or the complements. After amplification of the target with a thermostable polymerase, the amplified target nucleic acids can be detected by methods known in the art, *e.g.*, Southern blot. mRNA or cDNA can also be detected by traditional blotting techniques (*e.g.*, Southern blot, Northern blot, *etc.*)

5 described in Sambrook et al., “Molecular Cloning: A Laboratory Manual” (New York, Cold Spring Harbor Laboratory, 1989) (*e.g.*, without PCR amplification). In general, mRNA or cDNA generated from mRNA using a polymerase enzyme can be purified and separated using gel electrophoresis, and transferred to a solid support, such as nitrocellulose. The solid support is exposed to a labeled probe, washed to remove any

10 unhybridized probe, and duplexes containing the labeled probe are detected.

Mapping. Polynucleotides of the present invention can be used to identify a chromosome on which the corresponding gene resides. Such mapping can be useful in identifying the function of the polynucleotide-related gene by its proximity to other genes with known function. Function can also be assigned to the polynucleotide-related gene

15 when particular syndromes or diseases map to the same chromosome. For example, use of polynucleotide probes in identification and quantification of nucleic acid sequence aberrations is described in U.S. Patent No. 5,783,387. An exemplary mapping method is fluorescence *in situ* hybridization (FISH), which facilitates comparative genomic hybridization to allow total genome assessment of changes in relative copy number of

20 DNA sequences (see, *e.g.*, Valdes et al., *Methods in Molecular Biology* (1997) 68:1). Polynucleotides can also be mapped to particular chromosomes using, for example, radiation hybrids or chromosome-specific hybrid panels. See Leach et al., *Advances in Genetics*, (1995) 33:63-99; Walter et al., *Nature Genetics* (1994) 7:22; Walter and Goodfellow, *Trends in Genetics* (1992) 9:352. Panels for radiation hybrid mapping are

25 available from Research Genetics, Inc., Huntsville, Alabama, USA. The statistical program RHMAP can be used to construct a map based on the data from radiation hybridization with a measure of the relative likelihood of one order versus another. RHMAP is available via the world wide web at <http://www.sph.umich.edu/group/statgen/software>. In addition, commercial programs are available for identifying regions of chromosomes commonly

30 associated with disease, such as cancer.

Tissue Typing or Profiling. Expression of specific mRNA corresponding to the provided polynucleotides can vary in different cell types and can be tissue-specific. This variation of mRNA levels in different cell types can be exploited with nucleic acid probe assays to determine tissue types. For example, PCR, branched DNA probe assays, or

35 blotting techniques utilizing nucleic acid probes substantially identical or complementary

to polynucleotides listed in the Sequence Listing can determine the presence or absence of the corresponding cDNA or mRNA.

Tissue typing can be used to identify the developmental organ or tissue source of a metastatic lesion by identifying the expression of a particular marker of that organ or tissue. If a polynucleotide is expressed only in a specific tissue type, and a metastatic lesion is found to express that polynucleotide, then the developmental source of the lesion has been identified. Expression of a particular polynucleotide can be assayed by detection of either the corresponding mRNA or the protein product.

Use of Polymorphisms. A polynucleotide of the invention can be used in forensics, genetic analysis, mapping, and diagnostic applications where the corresponding region of a gene is polymorphic in the human population. Any means for detecting a polymorphism in a gene can be used, including, but not limited to electrophoresis of protein polymorphic variants, differential sensitivity to restriction enzyme cleavage, and hybridization to allele-specific probes.

15 Antibody Production

Expression products of a polynucleotide of the invention, as well as the corresponding mRNA, cDNA, or complete gene, can be prepared and used for raising antibodies for experimental, diagnostic, and therapeutic purposes. For polynucleotides to which a corresponding gene has not been assigned, this provides an additional method of identifying the corresponding gene. The polynucleotide or related cDNA is expressed as described above, and antibodies are prepared. These antibodies are specific to an epitope on the polypeptide encoded by the polynucleotide, and can precipitate or bind to the corresponding native protein in a cell or tissue preparation or in a cell-free extract of an *in vitro* expression system.

Methods for production of monoclonal and polyclonal antibodies that specifically bind a selected antigen are well known in the art. The antibodies specifically bind to epitopes present in the polypeptides encoded by polynucleotides disclosed in the Sequence Listing. Typically, at least 6, 8, 10, or 12 contiguous amino acids are required to form an epitope. Epitopes that involve non-contiguous amino acids may require a longer polypeptide, *e.g.*, at least 15, 25, or 50 amino acids. Antibodies that specifically bind to human polypeptides encoded by the provided polynucleotides should provide a detection signal at least 5-, 10-, or 20-fold higher than a detection signal provided with other proteins when used in Western blots or other immunochemical assays. Preferably, antibodies that

specifically polypeptides of the invention do not bind to other proteins in immunochemical assays at detectable levels and can immunoprecipitate the specific polypeptide from solution.

The invention also contemplates naturally occurring antibodies specific for a polypeptide of the invention. For example, serum antibodies to a polypeptide of the invention in a human population can be purified by methods well known in the art, *e.g.*, by passing antiserum over a column to which the corresponding selected polypeptide or fusion protein is bound. The bound antibodies can then be eluted from the column, for example using a buffer with a high salt concentration.

In addition to the antibodies discussed above, the invention also contemplates genetically engineered antibodies, antibody derivatives (*e.g.*, single chain antibodies, antibody fragments (*e.g.*, Fab, *etc.*)), according to methods well known in the art.

Other embodiments of the present invention include humanized monoclonal antibodies capable of binding to the polypeptides of the invention. The phrase “humanized antibody” refers to an antibody derived from a non-human antibody - typically a mouse monoclonal antibody. Alternatively, a humanized antibody may be derived from a chimeric antibody that retains or substantially retains the antigen-binding properties of the parental, non-human, antibody but which exhibits diminished immunogenicity as compared to the parental antibody when administered to humans. The phrase “chimeric antibody,” as used herein, refers to an antibody containing sequence derived from two different antibodies (*see, e.g.*, U.S. Patent No. 4,816,567) which typically originate from different species. Most typically, chimeric antibodies comprise human and murine antibody fragments, generally human constant and mouse variable regions.

Because humanized antibodies are far less immunogenic in humans than the parental mouse monoclonal antibodies, they can be used for the treatment of humans with far less risk of anaphylaxis. Thus, these antibodies may be preferred in therapeutic applications that involve *in vivo* administration to a human such as, *e.g.*, use as radiation sensitizers for the treatment of neoplastic disease or use in methods to reduce the side effects of, *e.g.*, cancer therapy.

Humanized antibodies may be achieved by a variety of methods including, for example: (1) grafting the non-human complementarity determining regions (CDRs) onto a human framework and constant region (a process referred to in the art as “humanizing”), or, alternatively, (2) transplanting the entire non-human variable domains, but “cloaking” them with a human-like surface by replacement of surface residues (a

process referred to in the art as “veneering”). In the present invention, humanized antibodies will include both “humanized” and “veneered” antibodies. These methods are disclosed in, *e.g.*, Jones et al., *Nature* 321:522-525 (1986); Morrison et al., *Proc. Natl. Acad. Sci., U.S.A.*, 81:6851-6855 (1984); Morrison and Oi, *Adv. Immunol.*, 44:65-92 (1988); Verhoeyer et al., *Science* 239:1534-1536 (1988); Padlan, *Molec. Immunol.* 28:489-498 (1991); Padlan, *Molec. Immunol.* 31(3):169-217 (1994); and Kettleborough, C.A. et al., *Protein Eng.* 4(7):773-83 (1991) each of which is incorporated herein by reference.

The phrase “complementarity determining region” refers to amino acid sequences which together define the binding affinity and specificity of the natural Fv region of a native immunoglobulin binding site. *See, e.g.*, Chothia et al., *J. Mol. Biol.* 196:901-917 (1987); Kabat et al., U.S. Dept. of Health and Human Services NIH Publication No. 91-3242 (1991). The phrase “constant region” refers to the portion of the antibody molecule that confers effector functions. In the present invention, mouse constant regions are substituted by human constant regions. The constant regions of the subject humanized antibodies are derived from human immunoglobulins. The heavy chain constant region can be selected from any of the five isotypes: alpha, delta, epsilon, gamma or mu.

One method of humanizing antibodies comprises aligning the non-human heavy and light chain sequences to human heavy and light chain sequences, selecting and replacing the non-human framework with a human framework based on such alignment, molecular modeling to predict the conformation of the humanized sequence and comparing to the conformation of the parent antibody. This process is followed by repeated back mutation of residues in the CDR region which disturb the structure of the CDRs until the predicted conformation of the humanized sequence model closely approximates the conformation of the non-human CDRs of the parent non-human antibody. Such humanized antibodies may be further derivatized to facilitate uptake and clearance, *e.g.*, via Ashwell receptors. *See, e.g.*, U.S. Patent Nos. 5,530,101 and 5,585,089 which patents are incorporated herein by reference.

Humanized antibodies can also be produced using transgenic animals that are engineered to contain human immunoglobulin loci. For example, WO 98/24893 discloses transgenic animals having a human Ig locus wherein the animals do not produce functional endogenous immunoglobulins due to the inactivation of endogenous heavy and light chain loci. WO 91/10741 also discloses transgenic non-primate mammalian hosts capable of mounting an immune response to an immunogen, wherein the antibodies have primate constant and/or variable regions, and wherein the endogenous immunoglobulin-

encoding loci are substituted or inactivated. WO 96/30498 discloses the use of the Cre/Lox system to modify the immunoglobulin locus in a mammal, such as to replace all or a portion of the constant or variable region to form a modified antibody molecule. WO 94/02602 discloses non-human mammalian hosts having inactivated endogenous Ig loci and functional human Ig loci. U.S. Patent No. 5,939,598 discloses methods of making transgenic mice in which the mice lack endogenous heavy chains, and express an exogenous immunoglobulin locus comprising one or more xenogeneic constant regions.

Using a transgenic animal described above, an immune response can be produced to a selected antigenic molecule, and antibody-producing cells can be removed from the animal and used to produce hybridomas that secrete human monoclonal antibodies. Immunization protocols, adjuvants, and the like are known in the art, and are used in immunization of, for example, a transgenic mouse as described in WO 96/33735. This publication discloses monoclonal antibodies against a variety of antigenic molecules including IL-6, IL-8, TNF, human CD4, L-selectin, gp39, and tetanus toxin. The monoclonal antibodies can be tested for the ability to inhibit or neutralize the biological activity or physiological effect of the corresponding protein. WO 96/33735 discloses that monoclonal antibodies against IL-8, derived from immune cells of transgenic mice immunized with IL-8, blocked IL-8-induced functions of neutrophils. Human monoclonal antibodies with specificity for the antigen used to immunize transgenic animals are also disclosed in WO 96/34096.

Polynucleotides or Arrays for Diagnostics

Polynucleotide arrays are created by spotting polynucleotide probes onto a substrate (*e.g.*, glass, nitrocellulose, *etc.*) in a two-dimensional matrix or array having bound probes. The probes can be bound to the substrate by either covalent bonds or by non-specific interactions, such as hydrophobic interactions. Samples of polynucleotides can be detectably labeled (*e.g.*, using radioactive or fluorescent labels) and then hybridized to the probes. Double stranded polynucleotides, comprising the labeled sample polynucleotides bound to probe polynucleotides, can be detected once the unbound portion of the sample is washed away. Techniques for constructing arrays and methods of using these arrays are described in EP 799 897; WO 97/29212; WO 97/27317; EP 785 280; WO 97/02357; U.S. Patent No. 5,593,839; U.S. Patent No. 5,578,832; EP 728 520; U.S. Patent No. 5,599,695; EP 721 016; U.S. Patent No. 5,556,752; WO 95/22058; and U.S. Patent No. 5,631,734. Arrays can be used to, for example, examine differential expression of genes and can be

used to determine gene function. For example, arrays can be used to detect differential expression of a polynucleotide between a test cell and control cell (*e.g.*, cancer cells and normal cells). For example, high expression of a particular message in a cancer cell, which is not observed in a corresponding normal cell, can indicate a cancer specific gene product.

- 5 Exemplary uses of arrays are further described in, for example, Pappalarado et al., *Sem. Radiation Oncol.* (1998) 8:217; and Ramsay, *Nature Biotechnol.* (1998) 16:40.

Differential Expression in Diagnosis

- The polynucleotides of the invention can also be used to detect differences in expression levels between two cells, *e.g.*, as a method to identify abnormal or diseased tissue in a human. For polynucleotides corresponding to profiles of protein families, the choice of tissue can be selected according to the putative biological function. In general, the expression of a gene corresponding to a specific polynucleotide is compared between a first tissue that is suspected of being diseased and a second, normal tissue of the human. The tissue suspected of being abnormal or diseased can be derived from a different tissue type of the human, but preferably it is derived from the same tissue type; for example an intestinal polyp or other abnormal growth should be compared with normal intestinal tissue. The normal tissue can be the same tissue as that of the test sample, or any normal tissue of the patient, especially those that express the polynucleotide-related gene of interest (*e.g.*, brain, thymus, testis, heart, prostate, placenta, spleen, small intestine, skeletal muscle, pancreas, and the mucosal lining of the colon). A difference between the polynucleotide-related gene, mRNA, or protein in the two tissues which are compared, for example in molecular weight, amino acid or nucleotide sequence, or relative abundance, indicates a change in the gene, or a gene which regulates it, in the tissue of the human that was suspected of being diseased. Examples of detection of differential expression and its use in diagnosis of cancer are described in U.S. Patent Nos. 5,688,641 and 5,677,125.

- A genetic predisposition to disease in a human can also be detected by comparing expression levels of an mRNA or protein corresponding to a polynucleotide of the invention in a fetal tissue with levels associated in normal fetal tissue. Fetal tissues that are used for this purpose include, but are not limited to, amniotic fluid, chorionic villi, blood, and the blastomere of an *in vitro*-fertilized embryo. The comparable normal polynucleotide-related gene is obtained from any tissue. The mRNA or protein is obtained from a normal tissue of a human in which the polynucleotide-related gene is expressed. Differences such as alterations in the nucleotide sequence or size of the same product of the

fetal polynucleotide-related gene or mRNA, or alterations in the molecular weight, amino acid sequence, or relative abundance of fetal protein, can indicate a germline mutation in the polynucleotide-related gene of the fetus, which indicates a genetic predisposition to disease. In general, diagnostic, prognostic, and other methods of the invention based on

5 differential expression involve detection of a level or amount of a gene product, particularly a differentially expressed gene product, in a test sample obtained from a patient suspected of having or being susceptible to a disease (*e.g.*, breast cancer, lung cancer, colon cancer and/or metastatic forms thereof), and comparing the detected levels to those levels found in normal cells (*e.g.*, cells substantially unaffected by cancer) and/or other control cells (*e.g.*,

10 to differentiate a cancerous cell from a cell affected by dysplasia). Furthermore, the severity of the disease can be assessed by comparing the detected levels of a differentially expressed gene product with those levels detected in samples representing the levels of differentially gene product associated with varying degrees of severity of disease. It should be noted that use of the term "diagnostic" herein is not necessarily meant to exclude

15 "prognostic" or "prognosis," but rather is used as a matter of convenience.

The term "differentially expressed gene" is generally intended to encompass a polynucleotide that can, for example, include an open reading frame encoding a gene product (*e.g.*, a polypeptide), and/or introns of such genes and adjacent 5' and 3' non-coding nucleotide sequences involved in the regulation of expression, up to about 20 kb beyond

20 the coding region, but possibly further in either direction. The gene can be introduced into an appropriate vector for extrachromosomal maintenance or for integration into a host genome. In general, a difference in expression level associated with a decrease in expression level of at least about 25%, usually at least about 50% to 75%, more usually at least about 90% or more is indicative of a differentially expressed gene of interest, *i.e.*, a

25 gene that is underexpressed or down-regulated in the test sample relative to a control sample. Furthermore, a difference in expression level associated with an increase in expression of at least about 25%, usually at least about 50% to 75%, more usually at least about 90% and can be at least about 1 1/2-fold, usually at least about 2-fold to about 10-fold, and can be about 100-fold to about 1,000-fold increase relative to a control sample is

30 indicative of a differentially expressed gene of interest, *i.e.*, an overexpressed or up-regulated gene.

"Differentially expressed polynucleotide" as used herein means a nucleic acid molecule (RNA or DNA) comprising a sequence that represents a differentially expressed gene, *e.g.*, the differentially expressed polynucleotide comprises a sequence (*e.g.*,

35 an open reading frame encoding a gene product) that uniquely identifies a differentially

expressed gene so that detection of the differentially expressed polynucleotide in a sample is correlated with the presence of a differentially expressed gene in a sample. "Differentially expressed polynucleotides" is also meant to encompass fragments of the disclosed polynucleotides, *e.g.*, fragments retaining biological activity, as well as nucleic acids homologous, substantially similar, or substantially identical (*e.g.*, having about 90% sequence identity) to the disclosed polynucleotides.

"Diagnosis" as used herein generally includes determination of a subject's susceptibility to a disease or disorder, determination as to whether a subject is presently affected by a disease or disorder, as well as to the prognosis of a subject affected by a disease or disorder (*e.g.*, identification of pre-metastatic or metastatic cancerous states, stages of cancer, or responsiveness of cancer to therapy). The present invention particularly encompasses diagnosis of subjects in the context of breast cancer (*e.g.*, carcinoma *in situ* (*e.g.*, ductal carcinoma *in situ*), estrogen receptor (ER)-positive breast cancer, ER-negative breast cancer, or other forms and/or stages of breast cancer), lung cancer (*e.g.*, small cell carcinoma, non-small cell carcinoma, mesothelioma, and other forms and/or stages of lung cancer), and colon cancer (*e.g.*, adenomatous polyp, colorectal carcinoma, and other forms and/or stages of colon cancer).

"Sample" or "biological sample" as used throughout here are generally meant to refer to samples of biological fluids or tissues, particularly samples obtained from tissues, especially from cells of the type associated with the disease for which the diagnostic application is designed (*e.g.*, ductal adenocarcinoma), and the like. "Samples" is also meant to encompass derivatives and fractions of such samples (*e.g.*, cell lysates). Where the sample is solid tissue, the cells of the tissue can be dissociated or tissue sections can be analyzed.

Methods of the subject invention useful in diagnosis or prognosis typically involve comparison of the abundance of a selected differentially expressed gene product in a sample of interest with that of a control to determine any relative differences in the expression of the gene product, where the difference can be measured qualitatively and/or quantitatively. Quantitation can be accomplished, for example, by comparing the level of expression product detected in the sample with the amounts of product present in a standard curve. A comparison can be made visually; by using a technique such as densitometry, with or without computerized assistance; by preparing a representative library of cDNA clones of mRNA isolated from a test sample, sequencing the clones in the library to determine that number of cDNA clones corresponding to the same gene product, and analyzing the number of clones corresponding to that same gene product relative to the

number of clones of the same gene product in a control sample; or by using an array to detect relative levels of hybridization to a selected sequence or set of sequences, and comparing the hybridization pattern to that of a control. The differences in expression are then correlated with the presence or absence of an abnormal expression pattern. A variety of different methods for determining the nucleic acid abundance in a sample are known to those of skill in the art (see, *e.g.*, WO 97/27317). In general, diagnostic assays of the invention involve detection of a gene product of a the polynucleotide sequence (*e.g.*, mRNA or polypeptide) that corresponds to a sequence of SEQ ID NOs:1-3351. The patient from whom the sample is obtained can be apparently healthy, susceptible to disease (*e.g.*, as determined by family history or exposure to certain environmental factors), or can already be identified as having a condition in which altered expression of a gene product of the invention is implicated.

Diagnosis can be determined based on detected gene product expression levels of a gene product encoded by at least one, preferably at least two or more, at least 3 or more, or at least 4 or more of the polynucleotides having a sequence set forth in SEQ ID NOs:1-3351, and can involve detection of expression of genes corresponding to all of SEQ ID NOs:1-3351 and/or additional sequences that can serve as additional diagnostic markers and/or reference sequences. Where the diagnostic method is designed to detect the presence or susceptibility of a patient to cancer, the assay preferably involves detection of a gene product encoded by a gene corresponding to a polynucleotide that is differentially expressed in cancer. Examples of such differentially expressed polynucleotides are described in the Examples below. Given the provided polynucleotides and information regarding their relative expression levels provided herein, assays using such polynucleotides and detection of their expression levels in diagnosis and prognosis will be readily apparent to the ordinarily skilled artisan.

Any of a variety of detectable labels can be used in connection with the various embodiments of the diagnostic methods of the invention. Suitable detectable labels include fluorochromes, (*e.g.*, fluorescein isothiocyanate (FITC), rhodamine, Texas Red, phycoerythrin, allophycocyanin, 6-carboxyfluorescein (6-FAM), 2',7'-dimethoxy-4',5'-dichloro-6-carboxyfluorescein, 6-carboxy-X-rhodamine (ROX), 6-carboxy-2',4',7',4',7'-hexachlorofluorescein (HEX), 5-carboxyfluorescein (5-FAM) or N,N,N',N'-tetramethyl-6-carboxyrhodamine (TAMRA)), radioactive labels, (*e.g.*, ^{32}P , ^{35}S , ^3H , *etc.*), and the like. The detectable label can involve a two stage systems (*e.g.*, biotin-avidin, hapten-anti-hapten antibody, *etc.*)

Reagents specific for the polynucleotides and polypeptides of the invention, such as antibodies and nucleotide probes, can be supplied in a kit for detecting the presence of an expression product in a biological sample. The kit can also contain buffers or labeling components, as well as instructions for using the reagents to detect and quantify
 5 expression products in the biological sample. Exemplary embodiments of the diagnostic methods of the invention are described below in more detail.

Polypeptide detection in diagnosis. In one embodiment, the test sample is assayed for the level of a differentially expressed polypeptide. Diagnosis can be accomplished using any of a number of methods to determine the absence or presence or
 10 altered amounts of the differentially expressed polypeptide in the test sample. For example, detection can utilize staining of cells or histological sections with labeled antibodies, performed in accordance with conventional methods. Cells can be permeabilized to stain cytoplasmic molecules. In general, antibodies that specifically bind a differentially expressed polypeptide of the invention are added to a sample, and incubated
 15 for a period of time sufficient to allow binding to the epitope, usually at least about 10 minutes. The antibody can be detectably labeled for direct detection (*e.g.*, using radioisotopes, enzymes, fluorescers, chemilumescers, and the like), or can be used in conjunction with a second stage antibody or reagent to detect binding (*e.g.*, biotin with horseradish peroxidase-conjugated avidin, a secondary antibody conjugated to a fluorescent
 20 compound, *e.g.*, fluorescein, rhodamine, Texas red, *etc.*). The absence or presence of antibody binding can be determined by various methods, including flow cytometry of dissociated cells, microscopy, radiography, scintillation counting, *etc.* Any suitable alternative methods can of qualitative or quantitative detection of levels or amounts of differentially expressed polypeptide can be used, for example ELISA, western blot,
 25 immunoprecipitation, radioimmunoassay, *etc.*

mRNA detection. The diagnostic methods of the invention can also or alternatively involve detection of mRNA encoded by a gene corresponding to a differentially expressed polynucleotides of the invention. Any suitable qualitative or quantitative methods known in the art for detecting specific mRNAs can be used. mRNA
 30 can be detected by, for example, *in situ* hybridization in tissue sections, by reverse transcriptase-PCR, or in Northern blots containing poly A+ mRNA. One of skill in the art can readily use these methods to determine differences in the size or amount of mRNA transcripts between two samples. mRNA expression levels in a sample can also be determined by generation of a library of expressed sequence tags (ESTs) from the sample,
 35 where the EST library is representative of sequences present in the sample (Adams, et al.,

(1991) *Science* 252:1651). Enumeration of the relative representation of ESTs within the library can be used to approximate the relative representation of the gene transcript within the starting sample. The results of EST analysis of a test sample can then be compared to EST analysis of a reference sample to determine the relative expression levels of a selected polynucleotide, particularly a polynucleotide corresponding to one or more of the differentially expressed genes described herein. Alternatively, gene expression in a test sample can be performed using serial analysis of gene expression (SAGE) methodology (e.g., Velculescu et al., *Science* (1995) 270:484) or differential display (DD) methodology (see, e.g., U.S. Patent NOs. 5,776,683 and 5,807,680).

Alternatively, gene expression can be analyzed using hybridization analysis. Oligonucleotides or cDNA can be used to selectively identify or capture DNA or RNA of specific sequence composition, and the amount of RNA or cDNA hybridized to a known capture sequence determined qualitatively or quantitatively, to provide information about the relative representation of a particular message within the pool of cellular messages in a sample. Hybridization analysis can be designed to allow for concurrent screening of the relative expression of hundreds to thousands of genes by using, for example, array-based technologies having high density formats, including filters, microscope slides, or microchips, or solution-based technologies that use spectroscopic analysis (e.g., mass spectrometry). One exemplary use of arrays in the diagnostic methods of the invention is described below in more detail.

Use of a single gene in diagnostic applications. The diagnostic methods of the invention can focus on the expression of a single differentially expressed gene. For example, the diagnostic method can involve detecting a differentially expressed gene, or a polymorphism of such a gene (e.g., a polymorphism in an coding region or control region), that is associated with disease. Disease-associated polymorphisms can include deletion or truncation of the gene, mutations that alter expression level and/or affect activity of the encoded protein, etc.

A number of methods are available for analyzing nucleic acids for the presence of a specific sequence, e.g., a disease associated polymorphism. Where large amounts of DNA are available, genomic DNA is used directly. Alternatively, the region of interest is cloned into a suitable vector and grown in sufficient quantity for analysis. Cells that express a differentially expressed gene can be used as a source of mRNA, which can be assayed directly or reverse transcribed into cDNA for analysis. The nucleic acid can be amplified by conventional techniques, such as the polymerase chain reaction (PCR), to provide sufficient amounts for analysis, and a detectable label can be included in the

amplification reaction (*e.g.*, using a detectably labeled primer or detectably labeled oligonucleotides) to facilitate detection. Alternatively, various methods are also known in the art that utilize oligonucleotide ligation as a means of detecting polymorphisms, see *e.g.*, Riley et al., *Nucl. Acids Res.* (1990) 18:2887; and Delahunty et al., *Am. J. Hum. Genet.* (1996) 58:1239.

The amplified or cloned sample nucleic acid can be analyzed by one of a number of methods known in the art. The nucleic acid can be sequenced by dideoxy or other methods, and the sequence of bases compared to a selected sequence, *e.g.*, to a wild-type sequence. Hybridization with the polymorphic or variant sequence can also be used to determine its presence in a sample (*e.g.*, by Southern blot, dot blot, *etc.*). The hybridization pattern of a polymorphic or variant sequence and a control sequence to an array of oligonucleotide probes immobilized on a solid support, as described in U.S. Patent No. 5,445,934, or in WO 95/35505, can also be used as a means of identifying polymorphic or variant sequences associated with disease. Single strand conformational polymorphism (SSCP) analysis, denaturing gradient gel electrophoresis (DGGE), and heteroduplex analysis in gel matrices are used to detect conformational changes created by DNA sequence variation as alterations in electrophoretic mobility. Alternatively, where a polymorphism creates or destroys a recognition site for a restriction endonuclease, the sample is digested with that endonuclease, and the products size fractionated to determine whether the fragment was digested. Fractionation is performed by gel or capillary electrophoresis, particularly acrylamide or agarose gels.

Screening for mutations in a gene can be based on the functional or antigenic characteristics of the protein. Protein truncation assays are useful in detecting deletions that can affect the biological activity of the protein. Various immunoassays designed to detect polymorphisms in proteins can be used in screening. Where many diverse genetic mutations lead to a particular disease phenotype, functional protein assays have proven to be effective screening tools. The activity of the encoded protein can be determined by comparison with the wild-type protein.

Pattern matching in diagnosis using arrays. In another embodiment, the diagnostic and/or prognostic methods of the invention involve detection of expression of a selected set of genes in a test sample to produce a test expression pattern (TEP). The TEP is compared to a reference expression pattern (REP), which is generated by detection of expression of the selected set of genes in a reference sample (*e.g.*, a positive or negative control sample). The selected set of genes includes at least one of the genes of the invention, which genes correspond to the polynucleotide sequences of SEQ ID

NOs:1-3351. Of particular interest is a selected set of genes that includes genes differentially expressed in the disease for which the test sample is to be screened.

“Reference sequences” or “reference polynucleotides” as used herein in the context of differential gene expression analysis and diagnosis/prognosis refers to a selected set of polynucleotides, which selected set includes at least one or more of the differentially expressed polynucleotides described herein. A plurality of reference sequences, preferably comprising positive and negative control sequences, can be included as reference sequences. Additional suitable reference sequences are found in Genbank, Unigene, and other nucleotide sequence databases (including, *e.g.*, expressed sequence tag (EST), partial, and full-length sequences).

“Reference array” means an array having reference sequences for use in hybridization with a sample, where the reference sequences include all, at least one of, or any subset of the differentially expressed polynucleotides described herein. Usually such an array will include at least 3 different reference sequences, and can include any one or all of the provided differentially expressed sequences. Arrays of interest can further comprise sequences, including polymorphisms, of other genetic sequences, particularly other sequences of interest for screening for a disease or disorder (*e.g.*, cancer, dysplasia, or other related or unrelated diseases, disorders, or conditions). The oligonucleotide sequence on the array will usually be at least about 12 nt in length, and can be of about the length of the provided sequences, or can extend into the flanking regions to generate fragments of 100 nt to 200 nt in length or more. Reference arrays can be produced according to any suitable methods known in the art. For example, methods of producing large arrays of oligonucleotides are described in U.S. Patent NOs. 5,134,854 and 5,445,934 using light-directed synthesis techniques. Using a computer controlled system, a heterogeneous array of monomers is converted, through simultaneous coupling at a number of reaction sites, into a heterogeneous array of polymers. Alternatively, microarrays are generated by deposition of pre-synthesized oligonucleotides onto a solid substrate, for example as described in PCT published application no. WO 95/35505.

A “reference expression pattern” or “REP” as used herein refers to the relative levels of expression of a selected set of genes, particularly of differentially expressed genes, that is associated with a selected cell type, *e.g.*, a normal cell, a cancerous cell, a cell exposed to an environmental stimulus, and the like. A “test expression pattern” or “TEP” refers to relative levels of expression of a selected set of genes, particularly of differentially expressed genes, in a test sample (*e.g.*, a cell of unknown or suspected disease state, from which mRNA is isolated).

REPs can be generated in a variety of ways according to methods well known in the art. For example, REPs can be generated by hybridizing a control sample to an array having a selected set of polynucleotides (particularly a selected set of differentially expressed polynucleotides), acquiring the hybridization data from the array, and storing the data in a format that allows for ready comparison of the REP with a TEP. Alternatively, all expressed sequences in a control sample can be isolated and sequenced, *e.g.*, by isolating mRNA from a control sample, converting the mRNA into cDNA, and sequencing the cDNA. The resulting sequence information roughly or precisely reflects the identity and relative number of expressed sequences in the sample. The sequence information can then be stored in a format (*e.g.*, a computer-readable format) that allows for ready comparison of the REP with a TEP. The REP can be normalized prior to or after data storage, and/or can be processed to selectively remove sequences of expressed genes that are of less interest or that might complicate analysis (*e.g.*, some or all of the sequences associated with housekeeping genes can be eliminated from REP data).

TEPs can be generated in a manner similar to REPs, *e.g.*, by hybridizing a test sample to an array having a selected set of polynucleotides, particularly a selected set of differentially expressed polynucleotides, acquiring the hybridization data from the array, and storing the data in a format that allows for ready comparison of the TEP with a REP. The REP and TEP to be used in a comparison can be generated simultaneously, or the TEP can be compared to previously generated and stored REPs.

In one embodiment of the invention, comparison of a TEP with a REP involves hybridizing a test sample with a reference array, where the reference array has one or more reference sequences for use in hybridization with a sample. The reference sequences include all, at least one of, or any subset of the differentially expressed polynucleotides described herein. Hybridization data for the test sample is acquired, the data normalized, and the produced TEP compared with a REP generated using an array having the same or similar selected set of differentially expressed polynucleotides. Probes that correspond to sequences differentially expressed between the two samples will show decreased or increased hybridization efficiency for one of the samples relative to the other.

Methods for collection of data from hybridization of samples with a reference arrays are well known in the art. For example, the polynucleotides of the reference and test samples can be generated using a detectable fluorescent label, and hybridization of the polynucleotides in the samples detected by scanning the microarrays for the presence of the detectable label using, for example, a microscope and light source for directing light at a substrate. A photon counter detects fluorescence from the substrate,

while an x-y translation stage varies the location of the substrate. A confocal detection device that can be used in the subject methods is described in U.S. Patent No. 5,631,734. A scanning laser microscope is described in Shalon et al., *Genome Res.* (1996) 6:639. A scan, using the appropriate excitation line, is performed for each fluorophore used. The digital
 5 images generated from the scan are then combined for subsequent analysis. For any particular array element, the ratio of the fluorescent signal from one sample (*e.g.*, a test sample) is compared to the fluorescent signal from another sample (*e.g.*, a reference sample), and the relative signal intensity determined.

Methods for analyzing the data collected from hybridization to arrays are
 10 well known in the art. For example, where detection of hybridization involves a fluorescent label, data analysis can include the steps of determining fluorescent intensity as a function of substrate position from the data collected, removing outliers, *i.e.*, data deviating from a predetermined statistical distribution, and calculating the relative binding affinity of the targets from the remaining data. The resulting data can be displayed as an
 15 image with the intensity in each region varying according to the binding affinity between targets and probes.

In general, the test sample is classified as having a gene expression profile corresponding to that associated with a disease or non-disease state by comparing the TEP generated from the test sample to one or more REPs generated from reference samples
 20 (*e.g.*, from samples associated with cancer or specific stages of cancer, dysplasia, samples affected by a disease other than cancer, normal samples, *etc.*). The criteria for a match or a substantial match between a TEP and a REP include expression of the same or substantially the same set of reference genes, as well as expression of these reference genes at substantially the same levels (*e.g.*, no significant difference between the samples for a
 25 signal associated with a selected reference sequence after normalization of the samples, or at least no greater than about 25% to about 40% difference in signal strength for a given reference sequence. In general, a pattern match between a TEP and a REP includes a match in expression, preferably a match in qualitative or quantitative expression level, of at least one of, all or any subset of the differentially expressed genes of the invention.

30 Pattern matching can be performed manually, or can be performed using a computer program. Methods for preparation of substrate matrices (*e.g.*, arrays), design of oligonucleotides for use with such matrices, labeling of probes, hybridization conditions, scanning of hybridized matrices, and analysis of patterns generated, including comparison analysis, are described in, for example, U.S. Patent No. 5,800,992.

Diagnosis, Prognosis and Management of Cancer

The polynucleotides of the invention and their gene products are of particular interest as genetic or biochemical markers (*e.g.*, in blood or tissues) that will detect the earliest changes along the carcinogenesis pathway and/or to monitor the efficacy of various therapies and preventive interventions. For example, the level of expression of certain polynucleotides can be indicative of a poorer prognosis, and therefore warrant more aggressive chemo- or radio-therapy for a patient or vice versa. The correlation of novel surrogate tumor specific features with response to treatment and outcome in patients can define prognostic indicators that allow the design of tailored therapy based on the molecular profile of the tumor. These therapies include antibody targeting and gene therapy. Determining expression of certain polynucleotides and comparison of a patient's profile with known expression in normal tissue and variants of the disease allows a determination of the best possible treatment for a patient, both in terms of specificity of treatment and in terms of comfort level of the patient. Surrogate tumor markers, such as polynucleotide expression, can also be used to better classify, and thus diagnose and treat, different forms and disease states of cancer. Two classifications widely used in oncology that can benefit from identification of the expression levels of the polynucleotides of the invention are staging of the cancerous disorder, and grading the nature of the cancerous tissue.

The polynucleotides of the invention can be useful to monitor patients having or susceptible to cancer to detect potentially malignant events at a molecular level before they are detectable at a gross morphological level. Furthermore, a polynucleotide of the invention identified as important for one type of cancer can also have implications for development or risk of development of other types of cancer, *e.g.*, where a polynucleotide is differentially expressed across various cancer types. Thus, for example, expression of a polynucleotide that has clinical implications for metastatic colon cancer can also have clinical implications for stomach cancer or endometrial cancer.

Staging. Staging is a process used by physicians to describe how advanced the cancerous state is in a patient. Generally, if a cancer is only detectable in the area of the primary lesion without having spread to any lymph nodes it is called Stage I. If it has spread only to the closest lymph nodes, it is called Stage II. In Stage III, the cancer has generally spread to the lymph nodes in near proximity to the site of the primary lesion. Cancers that have spread to a distant part of the body, such as the liver, bone, brain or other site, are Stage IV, the most advanced stage.

The polynucleotides of the invention can facilitate fine-tuning of the staging process by identifying markers for the aggressivity of a cancer, *e.g.*, the metastatic potential, as well as the presence in different areas of the body. Thus, a Stage II cancer with a polynucleotide signifying a high metastatic potential cancer can be used to change a
 5 borderline Stage II tumor to a Stage III tumor, justifying more aggressive therapy. Conversely, the presence of a polynucleotide signifying a lower metastatic potential allows more conservative staging of a tumor.

Grading of cancers. Grade is a term used to describe how closely a tumor resembles normal tissue of its same type. The microscopic appearance of a tumor is used to
 10 identify tumor grade based on parameters such as cell morphology, cellular organization, and other markers of differentiation. As a general rule, the grade of a tumor corresponds to its rate of growth or aggressiveness, with undifferentiated or high-grade tumors being more aggressive than well differentiated or low-grade tumors. The following guidelines are generally used for grading tumors: 1) GX Grade cannot be assessed; 2) G1 Well
 15 differentiated; G2 Moderately well differentiated; 3) G3 Poorly differentiated; 4) G4 Undifferentiated. The polynucleotides of the invention can be especially valuable in determining the grade of the tumor, as they not only can aid in determining the differentiation status of the cells of a tumor, they can also identify factors other than differentiation that are valuable in determining the aggressivity of a tumor, such as
 20 metastatic potential.

Detection of lung cancer. The polynucleotides of the invention can be used to detect lung cancer in a subject. Although there are more than a dozen different kinds of lung cancer, the two main types of lung cancer are small cell and nonsmall cell, which encompass about 90% of all lung cancer cases. Small cell carcinoma (also called oat cell
 25 carcinoma) usually starts in one of the larger bronchial tubes, grows fairly rapidly, and is likely to be large by the time of diagnosis. Nonsmall cell lung cancer (NSCLC) is made up of three general subtypes of lung cancer. Epidermoid carcinoma (also called squamous cell carcinoma) usually starts in one of the larger bronchial tubes and grows relatively slowly. The size of these tumors can range from very small to quite large. Adenocarcinoma starts
 30 growing near the outside surface of the lung and can vary in both size and growth rate. Some slowly growing adenocarcinomas are described as alveolar cell cancer. Large cell carcinoma starts near the surface of the lung, grows rapidly, and the growth is usually fairly large when diagnosed. Other less common forms of lung cancer are carcinoid, cylindroma, mucoepidermoid, and malignant mesothelioma.

The polynucleotides of the invention, *e.g.*, polynucleotides differentially expressed in normal cells versus cancerous lung cells (*e.g.*, tumor cells of high or low metastatic potential) or between types of cancerous lung cells (*e.g.*, high metastatic versus low metastatic), can be used to distinguish types of lung cancer as well as identifying traits specific to a certain patient's cancer and selecting an appropriate therapy. For example, if the patient's biopsy expresses a polynucleotide that is associated with a low metastatic potential, it may justify leaving a larger portion of the patient's lung in surgery to remove the lesion. Alternatively, a smaller lesion with expression of a polynucleotide that is associated with high metastatic potential may justify a more radical removal of lung tissue and/or the surrounding lymph nodes, even if no metastasis can be identified through pathological examination.

Detection of breast cancer. The majority of breast cancers are adenocarcinomas subtypes, which can be summarized as follows: 1) ductal carcinoma *in situ* (DCIS), including comedocarcinoma; 2) infiltrating (or invasive) ductal carcinoma (IDC); 3) lobular carcinoma *in situ* (LCIS); 4) infiltrating (or invasive) lobular carcinoma (ILC); 5) inflammatory breast cancer; 6) medullary carcinoma; 7) mucinous carcinoma; 8) Paget's disease of the nipple; 9) Phyllodes tumor; and 10) tubular carcinoma.

The expression of polynucleotides of the invention can be used in the diagnosis and management of breast cancer, as well as to distinguish between types of breast cancer. Detection of breast cancer can be determined using expression levels of any of the appropriate polynucleotides of the invention, either alone or in combination. Determination of the aggressive nature and/or the metastatic potential of a breast cancer can also be determined by comparing levels of one or more polynucleotides of the invention and comparing levels of another sequence known to vary in cancerous tissue, *e.g.*, ER expression. In addition, development of breast cancer can be detected by examining the ratio of expression of a differentially expressed polynucleotide to the levels of steroid hormones (*e.g.*, testosterone or estrogen) or to other hormones (*e.g.*, growth hormone, insulin). Thus expression of specific marker polynucleotides can be used to discriminate between normal and cancerous breast tissue, to discriminate between breast cancers with different cells of origin, to discriminate between breast cancers with different potential metastatic rates, *etc.*

Detection of colon cancer. The polynucleotides of the invention exhibiting the appropriate expression pattern can be used to detect colon cancer in a subject. Colorectal cancer is one of the most common neoplasms in humans and perhaps the most frequent form of hereditary neoplasia. Prevention and early detection are key factors in

controlling and curing colorectal cancer. Colorectal cancer begins as polyps, which are small, benign growths of cells that form on the inner lining of the colon. Over a period of several years, some of these polyps accumulate additional mutations and become cancerous. Multiple familial colorectal cancer disorders have been identified, which are summarized as follows: 1) Familial adenomatous polyposis (FAP); 2) Gardner's syndrome; 3) Hereditary nonpolyposis colon cancer (HNPCC); and 4) Familial colorectal cancer in Ashkenazi Jews. The expression of appropriate polynucleotides of the invention can be used in the diagnosis, prognosis and management of colorectal cancer. Detection of colon cancer can be determined using expression levels of any of these sequences alone or in combination with the levels of expression. Determination of the aggressive nature and/or the metastatic potential of a colon cancer can be determined by comparing levels of one or more polynucleotides of the invention and comparing total levels of another sequence known to vary in cancerous tissue, *e.g.*, expression of p53, DCC ras, or FAP (see, *e.g.*, Fearon ER, et al., *Cell* (1990) 61(5):759; Hamilton SR et al., *Cancer* (1993) 72:957; Bodmer W, et al., *Nat Genet.* (1994) 4(3):217; Fearon ER, *Ann N Y Acad Sci.* (1995) 768:101). For example, development of colon cancer can be detected by examining the ratio of any of the polynucleotides of the invention to the levels of oncogenes (*e.g.*, ras) or tumor suppressor genes (*e.g.*, FAP or p53). Thus expression of specific marker polynucleotides can be used to discriminate between normal and cancerous colon tissue, to discriminate between colon cancers with different cells of origin, to discriminate between colon cancers with different potential metastatic rates, *etc.*

Use of Polynucleotides to Screen for Peptide Analogs and Antagonists

Polypeptides encoded by the instant polynucleotides and corresponding full length genes can be used to screen peptide libraries to identify binding partners, such as receptors, from among the encoded polypeptides. Peptide libraries can be synthesized according to methods known in the art (see, *e.g.*, U.S. Patent No. 5,010,175, and WO 91/17823). Agonists or antagonists of the polypeptides if the invention can be screened using any available method known in the art, such as signal transduction, antibody binding, receptor binding, mitogenic assays, chemotaxis assays, *etc.* The assay conditions ideally should resemble the conditions under which the native activity is exhibited *in vivo*, that is, under physiologic pH, temperature, and ionic strength. Suitable agonists or antagonists will exhibit strong inhibition or enhancement of the native activity at concentrations that do not cause toxic side effects in the subject. Agonists or antagonists that compete for binding

to the native polypeptide can require concentrations equal to or greater than the native concentration, while inhibitors capable of binding irreversibly to the polypeptide can be added in concentrations on the order of the native concentration.

- Such screening and experimentation can lead to identification of a novel
- 5 polypeptide binding partner, such as a receptor, encoded by a gene or a cDNA corresponding to a polynucleotide of the invention, and at least one peptide agonist or antagonist of the novel binding partner. Such agonists and antagonists can be used to modulate, enhance, or inhibit receptor function in cells to which the receptor is native, or in cells that possess the receptor as a result of genetic engineering. Further, if the novel
- 10 receptor shares biologically important characteristics with a known receptor, information about agonist/antagonist binding can facilitate development of improved agonists/antagonists of the known receptor.

Pharmaceutical Compositions and Therapeutic Uses

- Pharmaceutical compositions of the invention can comprise polypeptides,
- 15 antibodies, or polynucleotides (including antisense nucleotides and ribozymes) of the claimed invention in a therapeutically effective amount. The term "therapeutically effective amount" as used herein refers to an amount of a therapeutic agent to treat, ameliorate, or prevent a desired disease or condition, or to exhibit a detectable therapeutic or preventative effect. The effect can be detected by, for example, chemical markers or antigen levels.
- 20 Therapeutic effects also include reduction in physical symptoms, such as decreased body temperature. The precise effective amount for a subject will depend upon the subject's size and health, the nature and extent of the condition, and the therapeutics or combination of therapeutics selected for administration. Thus, it is not useful to specify an exact effective amount in advance. However, the effective amount for a given situation is determined by
- 25 routine experimentation and is within the judgment of the clinician. For purposes of the present invention, an effective dose will generally be from about 0.01 mg/ kg to 50 mg/kg or 0.05 mg/kg to about 10 mg/kg of the DNA constructs in the individual to which it is administered.

- A pharmaceutical composition can also contain a pharmaceutically
- 30 acceptable carrier. The term "pharmaceutically acceptable carrier" refers to a carrier for administration of a therapeutic agent, such as antibodies or a polypeptide, genes, and other therapeutic agents. The term refers to any pharmaceutical carrier that does not itself induce the production of antibodies harmful to the individual receiving the composition, and which

can be administered without undue toxicity. Suitable carriers can be large, slowly metabolized macromolecules such as proteins, polysaccharides, polylactic acids, polyglycolic acids, polymeric amino acids, amino acid copolymers, and inactive virus particles. Such carriers are well known to those of ordinary skill in the art.

- 5 Pharmaceutically acceptable carriers in therapeutic compositions can include liquids such as water, saline, glycerol and ethanol. Auxiliary substances, such as wetting or emulsifying agents, pH buffering substances, and the like, can also be present in such vehicles. Typically, the therapeutic compositions are prepared as injectables, either as liquid solutions or suspensions; solid forms suitable for solution in, or suspension in, liquid
- 10 vehicles prior to injection can also be prepared. Liposomes are included within the definition of a pharmaceutically acceptable carrier. Pharmaceutically acceptable salts can also be present in the pharmaceutical composition, *e.g.*, mineral acid salts such as hydrochlorides, hydrobromides, phosphates, sulfates, and the like; and the salts of organic acids such as acetates, propionates, malonates, benzoates, and the like. A thorough
- 15 discussion of pharmaceutically acceptable excipients is available in *Remington's Pharmaceutical Sciences* (Mack Pub. Co., New Jersey, 1991).

- Delivery Methods.
- Once formulated, the compositions of the invention can be (1) administered directly to the subject (*e.g.*, as polynucleotide or polypeptides); or (2) delivered *ex vivo*, to cells derived from the subject (*e.g.*, as in *ex vivo* gene therapy).
- 20 Direct delivery of the compositions will generally be accomplished by parenteral injection, *e.g.*, subcutaneously, intraperitoneally, intravenously or intramuscularly, intratumoral or to the interstitial space of a tissue. Other modes of administration include oral and pulmonary administration, suppositories, and transdermal applications, needles, and gene guns or hypodermic sprays. Dosage treatment can be a single dose schedule or a multiple dose schedule.

- 25 Methods for the *ex vivo* delivery and reimplantation of transformed cells into a subject are known in the art and described in *e.g.*, International Publication No. WO 93/14778. Examples of cells useful in *ex vivo* applications include, for example, stem cells, particularly hematopoietic, lymph cells, macrophages, dendritic cells, or tumor cells. Generally, delivery of nucleic acids for both *ex vivo* and *in vitro* applications can be
- 30 accomplished by, for example, dextran-mediated transfection, calcium phosphate precipitation, polybrene mediated transfection, protoplast fusion, electroporation, encapsulation of the polynucleotide(s) in liposomes, and direct microinjection of the DNA into nuclei, all well known in the art.

- 35 Once a gene corresponding to a polynucleotide of the invention has been found to correlate with a proliferative disorder, such as neoplasia, dysplasia, and

hyperplasia, the disorder can be amenable to treatment by administration of a therapeutic agent based on the provided polynucleotide, corresponding polypeptide or other corresponding molecule (*e.g.*, antisense, ribozyme, *etc.*).

- The dose and the means of administration of the inventive pharmaceutical compositions are determined based on the specific qualities of the therapeutic composition, the condition, age, and weight of the patient, the progression of the disease, and other relevant factors. For example, administration of polynucleotide therapeutic compositions agents of the invention includes local or systemic administration, including injection, oral administration, particle gun or catheterized administration, and topical administration.
- Preferably, the therapeutic polynucleotide composition contains an expression construct comprising a promoter operably linked to a polynucleotide of at least 12, 22, 25, 30, or 35 contiguous nt of the polynucleotide disclosed herein. Various methods can be used to administer the therapeutic composition directly to a specific site in the body. For example, a small metastatic lesion is located and the therapeutic composition injected several times in several different locations within the body of tumor. Alternatively, arteries which serve a tumor are identified, and the therapeutic composition injected into such an artery, in order to deliver the composition directly into the tumor. A tumor that has a necrotic center is aspirated and the composition injected directly into the now empty center of the tumor. The antisense composition is directly administered to the surface of the tumor, for example, by topical application of the composition. X-ray imaging is used to assist in certain of the above delivery methods.

- Receptor-mediated targeted delivery of therapeutic compositions containing an antisense polynucleotide, subgenomic polynucleotides, or antibodies to specific tissues can also be used. Receptor-mediated DNA delivery techniques are described in, for example, Findeis et al., *Trends Biotechnol.* (1993) 11:202; Chiou et al., *Gene Therapeutics: Methods And Applications Of Direct Gene Transfer* (J.A. Wolff, ed.) (1994); Wu et al., *J. Biol. Chem.* (1988) 263:621; Wu et al., *J. Biol. Chem.* (1994) 269:542; Zenke et al., *Proc. Natl. Acad. Sci. (USA)* (1990) 87:3655; Wu et al., *J. Biol. Chem.* (1991) 266:338. Therapeutic compositions containing a polynucleotide are administered in a range of about 100 ng to about 200 mg of DNA for local administration in a gene therapy protocol. Concentration ranges of about 500 ng to about 50 mg, about 1 mg to about 2 mg, about 5 mg to about 500 mg, and about 20 mg to about 100 mg of DNA can also be used during a gene therapy protocol. Factors such as method of action (*e.g.*, for enhancing or inhibiting levels of the encoded gene product) and efficacy of transformation and expression are considerations which will affect the dosage required for ultimate efficacy of the antisense

subgenomic polynucleotides. Where greater expression is desired over a larger area of tissue, larger amounts of antisense subgenomic polynucleotides or the same amounts readministered in a successive protocol of administrations, or several administrations to different adjacent or close tissue portions of, for example, a tumor site, may be required to effect a positive therapeutic outcome. In all cases, routine experimentation in clinical trials will determine specific ranges for optimal therapeutic effect. For polynucleotide-related genes encoding polypeptides or proteins with anti-inflammatory activity, suitable use, doses, and administration are described in U.S. Patent No. 5,654,173.

The therapeutic polynucleotides and polypeptides of the present invention can be delivered using gene delivery vehicles. The gene delivery vehicle can be of viral or non-viral origin (see generally, Jolly, *Cancer Gene Therapy* (1994) 1:51; Kimura, *Human Gene Therapy* (1994) 5:845; Connelly, *Human Gene Therapy* (1995) 1:185; and Kaplitt, *Nature Genetics* (1994) 6:148). Expression of such coding sequences can be induced using endogenous mammalian or heterologous promoters. Expression of the coding sequence can be either constitutive or regulated.

Viral-based vectors for delivery of a desired polynucleotide and expression in a desired cell are well known in the art. Exemplary viral-based vehicles include, but are not limited to, recombinant retroviruses (see, *e.g.*, WO 90/07936; WO 94/03622; WO 93/25698; WO 93/25234; U.S. Patent No. 5, 219,740; WO 93/11230; WO 93/10218; U.S. Patent No. 4,777,127; GB Patent No. 2,200,651; EP 0 345 242; and WO 91/02805), alphavirus-based vectors (*e.g.*, Sindbis virus vectors, Semliki forest virus (ATCC VR-67; ATCC VR-1247), Ross River virus (ATCC VR-373; ATCC VR-1246) and Venezuelan equine encephalitis virus (ATCC VR-923; ATCC VR-1250; ATCC VR 1249; ATCC VR-532), and adeno-associated virus (AAV) vectors (see, *e.g.*, WO 94/12649, WO 93/03769; WO 93/19191; WO 94/28938; WO 95/11984 and WO 95/00655). Administration of DNA linked to killed adenovirus as described in Curiel, *Hum. Gene Ther.* (1992) 3:147 can also be employed.

Non-viral delivery vehicles and methods can also be employed, including, but not limited to, polycationic condensed DNA linked or unlinked to killed adenovirus alone (see, *e.g.*, Curiel, *Hum. Gene Ther.* (1992) 3:147); ligand-linked DNA (see, *e.g.*, Wu, *J. Biol. Chem.* 264:16985 (1989)); eukaryotic cell delivery vehicles cells (see, *e.g.*, U.S. Patent No. 5,814,482; WO 95/07994; WO 96/17072; WO 95/30763; and WO 97/42338) and nucleic charge neutralization or fusion with cell membranes. Naked DNA can also be employed. Exemplary naked DNA introduction methods are described in WO 90/11092 and U.S. Patent No. 5,580,859. Liposomes that can act as gene delivery vehicles are

described in U.S. Patent No. 5,422,120; WO 95/13796; WO 94/23697; WO 91/14445; and EP 0524968. Additional approaches are described in Philip, *Mol. Cell Biol.* 14:2411 (1994), and in Woffendin, *Proc. Natl. Acad. Sci.* (1994) 91:1581.

Further non-viral delivery suitable for use includes mechanical delivery systems such as the approach described in Woffendin et al., *Proc. Natl. Acad. Sci. USA* 91(24):11581 (1994). Moreover, the coding sequence and the product of expression of such can be delivered through deposition of photopolymerized hydrogel materials or use of ionizing radiation (see, e.g., U.S. Patent No. 5,206,152 and WO 92/11033). Other conventional methods for gene delivery that can be used for delivery of the coding sequence include, for example, use of hand-held gene transfer particle gun (see, e.g., U.S. Patent No. 5,149,655); use of ionizing radiation for activating transferred gene (see, e.g., U.S. Patent No. 5,206,152 and WO 92/11033).

The present invention will now be illustrated by reference to the following examples which set forth particularly advantageous embodiments. However, it should be noted that these embodiments are illustrative and are not to be construed as restricting the invention in any way.

EXAMPLES

EXAMPLE 1

SOURCE OF BIOLOGICAL MATERIALS AND OVERVIEW OF NOVEL POLYNUCLEOTIDES EXPRESSED BY THE BIOLOGICAL MATERIALS

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Cell lines and human normal and tumor tissue were used to construct cDNA libraries from mRNA isolated from the cells and tissues. Most sequences were about 275-300 nucleotides in length. The cells lines include Km12L4-A cell line, a high metastatic colon cancer cell line (Morika, W. A. K. et al., *Cancer Research* (1988) 48:6863). The

10 Km12L4-A cell line is derived from the KM12C cell line. The KM12C cell line, which is poorly metastatic (low metastatic) was established in culture from a Dukes' stage B2 surgical specimen (Morikawa et al. *Cancer Res.* (1988) 48:6863). The KML4-A is a highly metastatic subline derived from KM12C (Yeatman et al. *Nucl. Acids. Res.* (1995) 23:4007; Bao-Ling et al. *Proc. Annu. Meet. Am. Assoc. Cancer. Res.* (1995) 21:3269). The KM12C

15 and KM12C-derived cell lines (e.g., KM12L4, KM12L4-A, etc.) are well-recognized in the art as model cell lines for the study of colon cancer (see, e.g., Moriakawa et al., *supra*; Radinsky et al. *Clin. Cancer Res.* (1995) 1:19; Yeatman et al., (1995) *supra*; Yeatman et al., *Clin. Exp. Metastasis* (1996) 14:246). These and other cell lines and tissue are described in Table 6.

20 The sequences of the isolated polynucleotides were first masked to eliminate low complexity sequences using the XBLAST masking program (Claverie "Effective Large-Scale Sequence Similarity Searches," In: Computer Methods for Macromolecular Sequence Analysis, Doolittle, ed., *Meth. Enzymol.* 266:212-227 Academic Press, NY, NY (1996); see particularly Claverie, in "Automated DNA Sequencing and Analysis

25 Techniques" Adams et al., eds., Chap. 36, p. 267 Academic Press, San Diego, 1994 and Claverie et al. *Comput. Chem.* (1993) 17:191). Generally, masking does not influence the final search results, except to eliminate sequences of relative little interest due to their low complexity, and to eliminate multiple "hits" based on similarity to repetitive regions common to multiple sequences, e.g., Alu repeats. The sequences remaining after masking

30 were then used in a BLASTN vs. Genbank search; sequences that exhibited greater than 70% overlap, 99% identity, and a p value of less than 1×10^{-40} were discarded. Sequences from this search also were discarded if the inclusive parameters were met, but the sequence was ribosomal or vector-derived.

The resulting sequences from the previous search were classified into three groups (1, 2 and 3 below) and searched in a BLASTX vs. NRP (non-redundant proteins) database search: (1) unknown (no hits in the Genbank search), (2) weak similarity (greater than 45% identity and p value of less than 1×10^{-5}), and (3) high similarity (greater than 60% overlap, greater than 80% identity, and p value less than 1×10^{-5}). Sequences having greater than 70% overlap, greater than 99% identity, and p value of less than 1×10^{-40} were discarded.

The remaining sequences were classified as unknown (no hits), weak similarity, and high similarity (parameters as above). Two searches were performed on these sequences. First, a BLAST vs. EST database search was performed and sequences with greater than 99% overlap, greater than 99% similarity and a p value of less than 1×10^{-40} were discarded. Sequences with a p value of less than 1×10^{-65} when compared to a database sequence of human origin were also excluded. Second, a BLASTN vs. Patent GeneSeq database was performed and sequences having greater than 99% identity, p value less than 1×10^{-40} , and greater than 99% overlap were discarded.

The remaining sequences were subjected to screening using other rules and redundancies in the dataset. Sequences with a p value of less than 1×10^{-111} in relation to a database sequence of human origin were specifically excluded. The final result provided the 3351 sequences listed in the accompanying Sequence Listing. Each identified polynucleotide represents sequence from at least a partial mRNA transcript. Polynucleotides that were determined to be novel were assigned a sequence identification number.

The novel polynucleotides were assigned sequence identification numbers SEQ ID NOs:1-3351. The first 1847 DNA sequences corresponding to the novel polynucleotides are provided in the Sequence Listing in Table 1. DNA sequences corresponding to the novel polynucleotides of SEQ ID NOs:1848-3351 are provided in the Sequence Listing in Table 2. The DNA sequences of Table 2, while numbered SEQ ID 1-1504, correspond to SEQ ID NOs:1848-3351 in the Sequence Listing, *e.g.*, Table 2 SEQ ID 1 is SEQ ID NO:1848, Table 2 SEQ ID 2 is SEQ ID NO:1849, *etc.* Each DNA sequence in Table 4 is uniquely identified by a number that is 1847 less than its SEQ ID NO in the Sequence Listing. Tables 1 and 2 provide: 1) the SEQ ID NO assigned to each sequence for use in the present specification or a corresponding number; 2) the sequence name used as an internal identifier of the sequence; 3) the name assigned to the clone from which the sequence was isolated; and 4) the number of the cluster to which the sequence is assigned (Cluster ID; where the cluster ID is 0, the sequence was not assigned to any cluster).

Because the provided polynucleotides represent partial mRNA transcripts, two or more polynucleotides of the invention may represent different regions of the same mRNA transcript and the same gene. Thus, if two or more SEQ ID NOs: are identified as belonging to the same clone, then either sequence can be used to obtain the full-length mRNA or gene.

EXAMPLE 2

RESULTS OF PUBLIC DATABASE SEARCH TO IDENTIFY FUNCTION OF GENE PRODUCTS

SEQ ID NOs:1-3351 were translated in all three reading frames to determine the best alignment with the individual sequences. These amino acid sequences and nucleotide sequences are referred to, generally, as query sequences, which are aligned with the individual sequences. Query and individual sequences were aligned using the BLAST programs, available over the world wide web at <http://www.ncbi.nlm.nih.gov/BLAST/>. Again the sequences were masked to various extents to prevent searching of repetitive sequences or poly-A sequences, using the XBLAST program for masking low complexity as described above in Example 1.

Tables 3 and 4 (inserted before the claims) show the results of the alignments. Table 3 contains alignment information for SEQ ID NOs:1-1847 and Table 4 contains alignment information for SEQ ID NOs:1848-3351. The DNA sequences of Table 4, while numbered SEQ ID 1-1504, correspond to SEQ ID NOs:1848-3351. Each DNA sequence in Table 4 is uniquely identified by a number that is 1847 less than its SEQ ID NO. Tables 3 and 4 refer to each sequence by its SEQ ID NO or a corresponding number, the accession numbers and descriptions of nearest neighbors from the Genbank and Non-Redundant Protein searches, and the p values of the search results.

For each of SEQ ID NOs:1-1847, the best alignment to a protein or DNA sequence is included in Table 3, and the best alignment for each of SEQ ID NOs:1848-3351 is included in Table 4. The activity of the polypeptide encoded by SEQ ID NOs:1-3351 is the same or similar to the nearest neighbor reported in Table 3 or 4. The accession number of the nearest neighbor is reported, providing a reference to the activities exhibited by the nearest neighbor. The search program and database used for the alignment also are indicated as well as a calculation of the p value.

Full length sequences or fragments of the polynucleotide sequences of the nearest neighbors can be used as probes and primers to identify and isolate the full length

sequence of SEQ ID NOs:1-3351. The nearest neighbors can indicate a tissue or cell type to be used to construct a library for the full-length sequences of SEQ ID NOs:1-3351.

EXAMPLE 3

MEMBERS OF PROTEIN FAMILIES

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The sequences (SEQ ID NOs:1-3351) were used to conduct a profile search as described in the specification above. Several of the polynucleotides of the invention were found to encode polypeptides having characteristics of a polypeptide belonging to a known protein families (and thus represent new members of these protein families) and/or comprising a known functional domain (Table 5). “Start” and “stop” in Table 3 indicate the position within the individual sequences that align with the query sequence having the indicated SEQ ID NO. The direction indicates the orientation of the query sequence with respect to the individual sequence, where forward (for) indicates that the alignment is in the same direction (left to right) as the sequence provided in the Sequence Listing and reverse (rev) indicates that the alignment is with a sequence complementary to the sequence provided in the Sequence Listing.

Some polynucleotides exhibited multiple profile hits because, for example, the particular sequence contains overlapping profile regions, and/or the sequence contains two different functional domains. These profile hits are described in more detail below.

Ank Repeats (ANK). SEQ ID NOs:187, 1268, 1804, 1819, 1830, 1839, 2652, 3015 and 3267 represent polynucleotides encoding an Ank repeat-containing protein. The ankyrin motif is a 33 amino acid sequence named for the protein ankyrin which has 24 tandem 33-amino-acid motifs. Ank repeats were originally identified in the cell-cycle-control protein cdc10 (Breedon et al., *Nature* (1987) 329:651). Proteins containing ankyrin repeats include ankyrin, myotropin, I-kappaB proteins, cell cycle protein cdc10, the Notch receptor (Matsuno et al., *Development* (1997) 124(21):4265); G9a (or BAT8) of the class III region of the major histocompatibility complex (*Biochem J.* 290:811-818, 1993), FABP, GABP, 53BP2, Lin12, glp-1, SW14, and SW16. The functions of the ankyrin repeats are compatible with a role in protein-protein interactions (Bork, *Proteins* (1993) 17(4):363; Lambert and Bennet, *Eur. J. Biochem.* (1993) 211:1; Kerr et al., *Current Op. Cell Biol.* (1992) 4:496; Bennet et al., *J. Biol. Chem.* (1980) 255:6424).

ATPases Associated with Various Cellular Activities (ATPases). Sequences within SEQ ID NOs:431, 639, 2135, 2684, 2859, 3197 and 3266 correspond to a sequence that encodes a novel member of the “ATPases Associated with diverse cellular Activities”

(AAA) protein family. The AAA protein family is composed of a large number of ATPases that share a conserved region of about 220 amino acids that contains an ATP-binding site (Froehlich et al., *J. Cell Biol.* (1991) 114:443; Erdmann et al., *Cell* (1991) 64:499; Peters et al., *EMBO J.* (1990) 9:1757; Kunau et al., *Biochimie* (1993) 75:209-224; Confalonieri et al., *BioEssays* (1995) 17:639; <http://yeamob.pci.chemie.uni-tuebingen.de/AAA/Description.html>). The proteins that belong to this family either contain one or two AAA domains. In general, the AAA domains in these proteins act as ATP-dependent protein clamps (Confalonieri et al. (1995) *BioEssays* 17:639). In addition to the ATP-binding 'A' and 'B' motifs, which are located in the N-terminal half of this domain, there is a highly conserved region located in the central part of the domain which was used in the development of the signature pattern. The consensus pattern is: [LIVMT]-x-[LIVMT]-[LIVMF]-x-[GATMC]-[ST]-[NS]-x(4)-[LIVM]-D-x-A-[LIFA]-x-R.

Bromodomain (bromodomain). SEQ ID NO:1814 represents a polynucleotide encoding a polypeptide having a bromodomain region (Haynes et al., 1992, *Nucleic Acids Res.* 20:2693-2603, Tamkun et al., 1992, *Cell* 68:561-572, and Tamkun, 1995, *Curr. Opin. Genet. Dev.* 5:473-477), which is a conserved region of about 70 amino acids. The bromodomain is thought to be involved in protein-protein interactions and may be important for the assembly or activity of multicomponent complexes involved in transcriptional activation. The consensus pattern, which spans a major part of the bromodomain, is: [STANVF]-x(2)-F-x(4)-[DNS]-x(5,7)-[DENQTF]-Y-[HFY]-x(2)-[LIVMFY]-x(3)-[LIVM]-x(4)-[LIVM]-x(6,8)-Y-x(12,13)-[LIVM]-x(2)-N-[SACF]-x(2)-[FY].

Basic Region Plus Leucine Zipper Transcription Factors (BZIP). SEQ ID NOs:410, 552, 768, 822, 836, 1288, 1365, 1454, 1540, 1549, 1556, 1557, 1563, 1622, 1630, 1704, 1808, 2363, 2424, 3147, 3152, 3158 and 3208 represent polynucleotides encoding a novel member of the family of basic region plus leucine zipper transcription factors. The bZIP superfamily (Hurst, *Protein Prof.* (1995) 2:105; and Ellenberger, *Curr. Opin. Struct. Biol.* (1994) 4:12) of eukaryotic DNA-binding transcription factors encompasses proteins that contain a basic region mediating sequence-specific DNA-binding followed by a leucine zipper required for dimerization. The consensus pattern for this protein family is: [KR]-x(1,3)-[RKSAQ]-N-x(2)-[SAQ](2)-x-[RKTAENQ]-x-R-x-[RK].

EF Hand (EFhand). SEQ ID NOs:820, 1755 and 3285 correspond to polynucleotides encoding a novel protein in the family of EF-hand proteins. Many calcium-binding proteins belong to the same evolutionary family and share a type of

calcium-binding domain known as the EF-hand (Kawasaki et al., *Protein. Prof.* (1995) 2:305-490). This type of domain consists of a twelve residue loop flanked on both sides by a twelve residue alpha-helical domain. In an EF-hand loop the calcium ion is coordinated in a pentagonal bipyramidal configuration. The six residues involved in the binding are in positions 1, 3, 5, 7, 9 and 12; these residues are denoted by X, Y, Z, -Y, -X and -Z. The invariant Glu or Asp at position 12 provides two oxygens for liganding Ca (bidentate ligand). The consensus pattern includes the complete EF-hand loop as well as the first residue which follows the loop and which seem to always be hydrophobic: D-x-[DNS]-{ILVFYW}-[DENSTG]-[DNQGHRK]-{GP}-[LIVMC]-[DENQSTAGC]-x(2)-[DE]-[LIVMFYW].

Ets Domain (Ets_Nterm). SEQ ID NO:1811 represents a polynucleotide encoding a polypeptide with N-terminal homology in ETS domain. Proteins of this family contain a conserved domain, the "ETS-domain," that is involved in DNA binding. The domain appears to recognize purine-rich sequences; it is about 85 to 90 amino acids in length, and is rich in aromatic and positively charged residues (Waslyk, et al., *Eur. J. Biochem.* (1993) 211:718). The *ets* gene family encodes a novel class of DNA-binding proteins, each of which binds a specific DNA sequence and comprises an *ets* domain that specifically interacts with sequences containing the common core tri-nucleotide sequence GGA. In addition to an *ets* domain, native *ets* proteins comprise other sequences which can modulate the biological specificity of the protein. *Ets* genes and proteins are involved in a variety of essential biological processes including cell growth, differentiation and development, and three members are implicated in oncogenic process.

G-Protein Alpha Subunit (G-alpha). SEQ ID NO:1846 represents a polynucleotide encoding a novel polypeptide of the G-protein alpha subunit family. Guanine nucleotide binding proteins (G-proteins) are a family of membrane-associated proteins that couple extracellularly-activated integral-membrane receptors to intracellular effectors, such as ion channels and enzymes that vary the concentration of second messenger molecules. G-proteins are composed of 3 subunits (alpha, beta and gamma) which, in the resting state, associate as a trimer at the inner face of the plasma membrane. The alpha subunit binds GTP and exhibits GTPase activity. G-protein alpha subunits are 350-400 amino acids in length and have molecular weights in the range 40-45 kDa. Seventeen distinct types of alpha subunit have been identified in mammals, and fall into 4 main groups on the basis of both sequence similarity and function: alpha-s, alpha-q, alpha-i and alpha-12 (Simon et al., *Science* (1993) 252:802). They are often N-terminally acylated,

usually with myristate and/or palmitoylate, and these fatty acid modifications can be important for membrane association and high-affinity interactions with other proteins.

Helicases conserved C-terminal domain (helicase C). SEQ ID NOs:1496, 2826 and 2871 represent polynucleotides encoding novel members of the DEAD/H
5 helicase family. A number of eukaryotic and prokaryotic proteins have been characterized (Schmid S.R., et al., *Mol. Microbiol.* (1992) 6:283; Linder P., et al., *Nature* (1989) 337:121; Wassarman D.A., et al., *Nature* (1991) 349:463) on the basis of their structural similarity. All are involved in ATP-dependent, nucleic-acid unwinding. All DEAD box family members of the above proteins share a number of conserved sequence motifs, some
10 of which are specific to the DEAD family while others are shared by other ATP-binding proteins or by proteins belonging to the helicases 'superfamily' (Hodgman T.C., *Nature* (1988) 333:22 and *Nature* (1988) 333:578 (Errata). One of these motifs, called the "D-E-A-D-box", represents a special version of the B motif of ATP-binding proteins. Some other proteins belong to a subfamily which have His instead of the second Asp and are thus
15 said to be "D-E-A-H-box" proteins (Wassarman D.A., et al., *Nature* (1991) 349:463; Harosh I., et al., *Nucleic Acids Res.* (1991) 19:6331; Koonin E.V. et al., *J. Gen. Virol.* (1992) 73:989. The following signature patterns are used to identify members of both subfamilies: 1) [LIVMF](2)-D-E-A-D-[RKEN]-x-[LIVMFYGSTN]; and 2) [GSAH]-x-[LIVMF](3)-D-E-[ALIV]-H-[NECR].

Homeobox domain (homeobox). SEQ ID NOs:1676, 1820 and 1821 represent polynucleotides encoding proteins having a homeobox domain. The homeobox is a protein domain of 60 amino acids (Gehring In: Guidebook to the Homeobox Genes, Duboule D., Ed., pp. 1-10, Oxford University Press, Oxford, (1994); Buerklin In: Guidebook to the Homeobox Genes, pp25-72, Oxford University Press, Oxford, (1994);
25 Gehring, *Trends Biochem. Sci.* (1992) 17:277-280; Gehring et al., *Annu. Rev. Genet.* (1986) 20:147-173; Schofield, *Trends Neurosci.* (1987) 10:3-6) first identified in a number of *Drosophila* homeotic and segmentation proteins. It is extremely well conserved in many other animals, including vertebrates. This domain binds DNA through a helix-turn-helix type of structure. Several proteins that contain a homeobox domain play an important role
30 in development. Most of these proteins are sequence-specific DNA-binding transcription factors. The homeobox domain is also very similar to a region of the yeast mating type proteins. These are sequence-specific DNA-binding proteins that act as master switches in yeast differentiation by controlling gene expression in a cell type-specific fashion.

A schematic representation of the homeobox domain is shown below. The
35 helix-turn-helix region is shown by the symbols 'H' (for helix), and 't' (for turn).

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5 The pattern detects homeobox sequences 24 residues long and spans positions 34 to 57 of the homeobox domain. The consensus pattern is as follows: [LIVMFYGG]-[ASLVR]-x(2)-[LIVMSTACN]-x-[LIVM]-x(4)-[LIV]-[RKNQUESTAIY]-[LIVFSTNKH]-W-[FYVC]-x-[NDQTAH]-x(5)-[RKNAIMW].

10 MAP kinase kinase (mkk). SEQ ID NOs:29, 31, 196, 3175, 3190 and 3281 represent novel members of the MAP kinase kinase family. MAP kinases (MAPK) are involved in signal transduction, and are important in cell cycle and cell growth controls. The MAP kinase kinases (MAPKK) are dual-specificity protein kinases which phosphorylate and activate MAP kinases. MAPKK homologues have been found in yeast, invertebrates, amphibians, and mammals. Moreover, the MAPKK/MAPK phosphorylation
15 switch constitutes a basic module activated in distinct pathways in yeast and in vertebrates. MAPKKs are essential transducers through which signals must pass before reaching the nucleus. For review, see, e.g., Biologique *Biol Cell* (1993) 79:193-207; Nishida et al., *Trends Biochem Sci* (1993) 18:128-31; Ruderman, *Curr Opin Cell Biol* (1993) 5:207-13; Dhanasekaran et al., *Oncogene* (1998) 17:1447-55; Kiefer et al., *Biochem Soc Trans* (1997)
20 25:491-8; and Hill, *Cell Signal* (1996) 8:533-44.

Protein Kinase (protkinase). SEQ ID NOs:1157, 1478, 1496, 2286, 2969 and 3190 represent polynucleotides encoding protein kinases. Protein kinases catalyze phosphorylation of proteins in a variety of pathways, and are implicated in cancer. Eukaryotic protein kinases (Hanks S.K., et al., *FASEB J.* (1995) 9:576; Hunter T., *Meth. Enzymol.* (1991) 200:3; Hanks S.K., et al., *Meth. Enzymol.* (1991) 200:38; Hanks S.K.,
25 *Curr. Opin. Struct. Biol.* (1991) 1:369; Hanks S.K. et al., *Science* (1988) 241:42) are enzymes that belong to a very extensive family of proteins which share a conserved catalytic core common to both serine/threonine and tyrosine protein kinases. There are a number of conserved regions in the catalytic domain of protein kinases. The first region,
30 which is located in the N-terminal extremity of the catalytic domain, is a glycine-rich stretch of residues in the vicinity of a lysine residue, which has been shown to be involved in ATP binding. The second region, which is located in the central part of the catalytic domain, contains a conserved aspartic acid residue which is important for the catalytic activity of the enzyme (Knighton D.R. et al., *Science* (1991) 253:407). The protein kinase
35 profile includes two signature patterns for this second region: one specific for serine/threonine kinases and the other for tyrosine kinases. A third profile is based on the

alignment in (Hanks S.K. et al., *FASEB J.* (1995) 9:576) and covers the entire catalytic domain.

- The consensus patterns are as follows: 1) [LIV]-G-{P}-G-{P}-[FYWMGSTNH]-[SGA]-{PW}-[LIVCAT]-{PD}-x-[GSTACLIVMFY]-x(5,18)-
 5 [LIVMFYWCSTAR]-[AIVP]-[LIVMFAGCKR]-K, where K binds ATP; 2) [LIVMFYC]-x-[HY]-x-D-[LIVMFY]-K-x(2)-N-[LIVMFYCT](3), where D is an active site residue; and
 3) [LIVMFYC]-x-[HY]-x-D-[LIVMFY]-[RSTAC]-x(2)-N-[LIVMFYC], where D is an active site residue.

- If a protein analyzed includes two of the above protein kinase signatures, the
 10 probability of it being a protein kinase is close to 100%.

- Ras family proteins (ras). SEQ ID NOs:1688 and 3258 represent polynucleotides encoding novel members of the ras family of small GTP/GDP-binding proteins (Valencia et al., 1991, *Biochemistry* 30:4637-4648). Ras family members generally require a specific guanine nucleotide exchange factor (GEF) and a specific
 15 GTPase activating protein (GAP) as stimulators of overall GTPase activity. Among ras-related proteins, the highest degree of sequence conservation is found in four regions that are directly involved in guanine nucleotide binding. The first two constitute most of the phosphate and Mg²⁺ binding site (PM site) and are located in the first half of the G-domain. The other two regions are involved in guanosine binding and are located in the C-terminal half of the molecule. Motifs and conserved structural features of the ras-related
 20 proteins are described in Valencia et al., 1991, *Biochemistry* 30:4637-4648. A major consensus pattern of ras proteins is: D-T-A-G-Q-E-K-[LF]-G-G-L-R-[DE]-G-Y-Y.

- Thioredoxin family active site (Thioredoxin). SEQ ID NO:1677 represents a polynucleotide encoding a protein having a thioredoxin family active site. Thioredoxins
 25 (Holmgren A., *Annu. Rev. Biochem.* (1985) 54:237; Gleason F.K. et al., *FEMS Microbiol. Rev.* (1988) 54:271; Holmgren, A. *J. Biol. Chem.* (1989) 264:13963; Eklund H. et al., *Proteins* (1991) 11:13) are small proteins of approximately one hundred amino- acid residues which participate in various redox reactions via the reversible oxidation of an active center disulfide bond. They exist in either a reduced form or an oxidized form where
 30 the two cysteine residues are linked in an intramolecular disulfide bond. Thioredoxin is present in prokaryotes and eukaryotes and the sequence around the redox-active disulfide bond is well conserved. All PDI contains two or three (ERp72) copies of the thioredoxin domain. The consensus pattern is: [LIVMF]-[LIVMSTA]-x-[LIVMFYC]-[FYWSTHE]-x(2)-[FYWGTN]-C- [GATPLVE]-[PHYWSTA]-C-x(6)-[LIVMFYWT] (where the two C's
 35 form the redox-active bond).

Trypsin (trypsin). SEQ ID NO:1410 corresponds to a novel serine protease of the trypsin family. The catalytic activity of the serine proteases from the trypsin family is provided by a charge relay system involving an aspartic acid residue hydrogen-bonded to a histidine, which itself is hydrogen-bonded to a serine. The sequences in the vicinity of the active site serine and histidine residues are well conserved in this family of proteases (Brenner S., *Nature* (1988) 334:528). The consensus patterns for this trypsin protein family are: 1) [LIVM]-[ST]-A-[STAG]-H-C, where H is the active site residue; and 2) [DNSTAGC]-[GSTAPIMVQH]-x(2)-G-[DE]-S-G-[GS]-[SAPHV]-[LIVMFYWH]-[LIVMFYSTANQH], where S is the active site residue. All sequences known to belong to this family are detected by the above consensus sequences, except for 18 different proteases which have lost the first conserved glycine. If a protein includes both the serine and the histidine active site signatures, the probability of it being a trypsin family serine protease is 100%.

WD Domain, G-Beta Repeats (WD domain). SEQ ID NOs:1336, 1380, 1711, 1762, 1909, 2218, 3047, 3108 and 3292 represent novel members of the WD domain/G-beta repeat family. Beta-transducin (G-beta) is one of the three subunits (alpha, beta, and gamma) of the guanine nucleotide-binding proteins (G proteins) which act as intermediaries in the transduction of signals generated by transmembrane receptors (Gilman, *Annu. Rev. Biochem.* (1987) 56:615). The alpha subunit binds to and hydrolyzes GTP; the functions of the beta and gamma subunits are less clear but they seem to be required for the replacement of GDP by GTP as well as for membrane anchoring and receptor recognition. In higher eukaryotes, G-beta exists as a small multigene family of highly conserved proteins of about 340 amino acid residues. Structurally, G-beta consists of eight tandem repeats of about 40 residues, each containing a central Trp-Asp motif (this type of repeat is sometimes called a WD-40 repeat). The consensus pattern for the WD domain/G-Beta repeat family is: [LIVMSTAC]-[LIVMFYWSTAGC]-[LIMSTAG]-[LIVMSTAGC]-x(2)-[DN]-x(2)-[LIVMWSTAC]-x-[LIVMFSTAG]-W-[DEN]-[LIVMFSTAGCN].

wnt Family of Developmental Signaling Proteins (Wnt_dev_sign). SEQ ID NO:1538 corresponds to a novel member of the wnt family of developmental signaling proteins. Wnt-1 (previously known as int-1), the seminal member of this family, (Nusse R., *Trends Genet.* (1988) 4:291) is thought to play a role in intercellular communication and seems to be a signalling molecule important in the development of the central nervous system (CNS). All wnt family proteins share the following features characteristics of secretory proteins: a signal peptide, several potential N-glycosylation sites and 22

conserved cysteines that are probably involved in disulfide bonds. The Wnt proteins seem to adhere to the plasma membrane of the secreting cells and are therefore likely to signal over only few cell diameters. The consensus pattern, which is based upon a highly conserved region including three cysteines, is as follows: C-K-C-H-G-[LIVMT]-S-G-x-C.

5 Protein Tyrosine Phosphatase (Y_phosphatase). SEQ ID NO:1417 represents a polynucleotide encoding a protein tyrosine kinase. Tyrosine specific protein phosphatases (EC 3.1.3.48) (PTPase) (Fischer et al., *Science* (1991) 253:401; Charbonneau et al., *Annu. Rev. Cell Biol.* (1992) 8:463; Trowbridge, *J. Biol. Chem.* (1991) 266:23517; Tonks et al., *Trends Biochem. Sci.* (1989) 14:497; and Hunter, *Cell* (1989) 58:1013) catalyze the removal of a phosphate group attached to a tyrosine residue. These enzymes are very important in the control of cell growth, proliferation, differentiation and transformation. Multiple forms of PTPase have been characterized and can be classified into two categories: soluble PTPases and transmembrane receptor proteins that contain PTPase domain(s). Structurally, all known receptor PTPases are made up of a variable length extracellular domain, followed by a transmembrane region and a C-terminal catalytic cytoplasmic domain. PTPase domains consist of about 300 amino acids. The search of two conserved cysteines has been shown to be absolutely required for activity. Furthermore, a number of conserved residues in its immediate vicinity have also been shown to be important. The consensus pattern for PTPases is: [LIVMF]-H-C-x(2)-G-x(3)-[STC]-[STAGP]-x-[LIVMFY]; C is the active site residue.

15 Zinc Finger, C2H2 Type (Zincfing_C2H2). SEQ ID NOs:308, 807, 1324, 1503, 1527, 3081, 3193 and 3306 correspond to polynucleotides encoding novel members of the of the C2H2 type zinc finger protein family. Zinc finger domains (Klug et al., *Trends Biochem. Sci.* (1987) 12:464; Evans et al., *Cell* (1988) 52:1; Payre et al., *FEBS Lett.* (1988) 234:245; Miller et al., *EMBO J.* (1985) 4:1609; and Berg, *Proc. Natl. Acad. Sci. USA* (1988) 85:99) are nucleic acid-binding protein structures. In addition to the conserved zinc ligand residues, it has been shown that a number of other positions are also important for the structural integrity of the C2H2 zinc fingers. (Rosenfeld et al., *J. Biomol. Struct. Dyn.* (1993) 11:557) The best conserved position is found four residues after the second cysteine; it is generally an aromatic or aliphatic residue. The consensus pattern for C2H2 zinc fingers is: C-x(2,4)-C-x(3)-[LIVMFYWC]-x(8)-H-x(3,5)-H. The two C's and two H's are zinc ligands.

25 Src homology 2. SEQ ID NOs:186, 2591, 3307 and 3339 represent polynucleotides encoding novel members of the family of Src homology 2 (SH2) proteins. 35 The Src homology 2 (SH2) domain is a protein domain of about 100 amino acid residues

first identified as a conserved sequence region between the oncoproteins Src and Fps (Sadowski I. et al., *Mol. Cell. Biol.* 6:4396-4408 (1986)). Similar sequences are found in many other intracellular signal-transducing proteins (Russel R.B. et al., *FEBS Lett.* 304:15-20 (1992)). SH2 domains function as regulatory modules of intracellular signalling cascades by interacting with high affinity to phosphotyrosine-containing target peptides in a sequence-specific and phosphorylation-dependent manner (Marangere L.E.M., Pawson T., *J. Cell Sci. Suppl.* 18:97-104 (1994); Pawson T., Schlessinger J., *Curr. Biol.* 3:434-442 (1993); Mayer B.J., Baltimore D., *Trends Cell. Biol.* 3:8-13 (1993); Pawson T., *Nature* 373:573-580 (1995)).

- 10 The SH2 domain has a conserved 3D structure consisting of two alpha helices and six to seven beta-strands. The core of the domain is formed by a continuous beta-meander composed of two connected beta-sheets (Kuriyan J., Cowburn D., *Curr. Opin. Struct. Biol.* 3:828-837(1993)). The profile to detect SH2 domains is based on a structural alignment consisting of 8 gap-free blocks and 7 linker regions totaling 92 match positions.

- 15 Src homology 3. SEQ ID NO:234, 1832, and 1835 represent polynucleotides encoding novel members of the family of Src homology 3 (SH3) proteins. The Src homology 3 (SH3) domain is a small protein domain of about 60 amino acid residues first identified as a conserved sequence in the non-catalytic part of several cytoplasmic protein tyrosine kinases (e.g., Src, Abl, Lck) (Mayer B.J. et al., *Nature* 332:272-275 (1988)). Since then, it has been found in a great variety of other intracellular or membrane-associated proteins (Musacchio A. et al., *FEBS Lett.* 307:55-61 (1992); Pawson T., Schlessinger J., *Curr. Biol.* 3:434-442 (1993); Mayer B.J., Baltimore D., *Trends Cell Biol.* 3:8-13 (1993); Pawson T., *Nature* 373:573-580 (1995)).

- 25 The SH3 domain has a characteristic fold which consists of five or six beta strands arranged as two tightly packed anti-parallel beta sheets. The linker regions may contain short helices (Kuriyan J., Cowburn D., *Curr. Opin. Struct. Biol.* 3:828-837 (1993)).

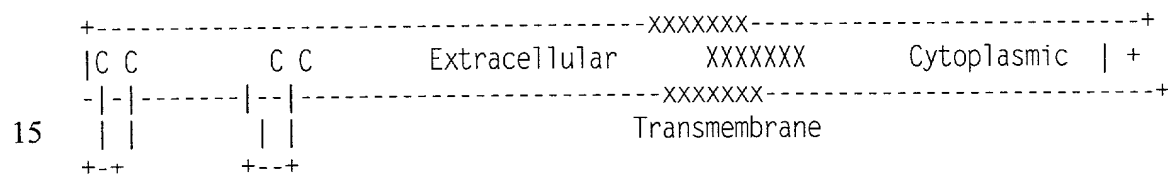
- The function of the SH3 domain may be to mediate assembly of specific protein complexes via binding to proline-rich peptides (Morton C.J., Campbell I.D., *Curr. Biol.* 4:615-617 (1994)).

- 30 In general SH3 domains are found as single copies in a given protein, but there are a significant number of proteins with two SH3 domains and a few with 3 or 4 copies.

- Fibronectin type III. SEQ ID NOs:746 and 1192 represent polynucleotides encoding novel members of the family of fibronectin type III proteins. A number of

receptors for lymphokines, hematopoietic growth factors and growth hormone-related molecules have been found to share a common binding domain. (Bazan J.F., *Biochem. Biophys. Res. Commun.* 164:788-795 (1989); Bazan J.F., *Proc. Natl. Acad. Sci. U.S.A.* 87:6934-6938 (1990); Cosman D. et al., *Trends Biochem. Sci.* 15:265-270 (1990); d'Andrea A.D., Fasman G.D., Lodish H.F., *Cell* 58:1023-1024 (1989); d'Andrea A.D., Fasman G.D., Lodish H.F., *Curr. Opin. Cell Biol.* 2:648-651 (1990)).

The conserved region constitutes all or part of the extracellular ligand-binding region and is about 200 amino acid residues long. In the N-terminal of this domain there are two pairs of cysteines known, in the growth hormone receptor, to be involved in disulfide bonds.



Two patterns detect this family of receptors. The first one is derived from the first N-terminal disulfide loop, the second is a tryptophan-rich pattern located at the C-terminal extremity of the extracellular region.

A consensus for this protein family is: C-[LVFYR]-x(7,8)-[STIVDN]-C-x-W (The two C's are linked by a disulfide bond]. A second consensus for this protein family is: [STGL]-x-W-[SG]-x-W-S.

LIM domain containing proteins. SEQ ID NOs:1269, 1309, 1360, and 1386 represent polynucleotides encoding novel members of the family of LIM domain containing proteins. A number of proteins contain a conserved cysteine-rich domain of about 60 amino-acid residues. (Freyd G. et al., *Nature* 344:876-879 (1990); Baltz R. et al., *Plant Cell* 4:1465-1466 (1992); Sanchez-Garcia I., Rabbitts T.H., *Trends Genet.* 10:315-320 (1994)).

In the LIM domain, there are seven conserved cysteine residues and a histidine. The arrangement followed by these conserved residues is C-x(2)-C-x(16,23)-H-x(2)-[CH]-x(2)-C-x(2)-C-x(16,21)-C-x(2,3)-[CHD]. The LIM domain binds two zinc ions (Michelsen J.W. et al., *Proc. Natl. Acad. Sci. U.S.A.* 90:4404-4408 (1993)). LIM does not bind DNA, rather it seems to act as interface for protein-protein interaction. The consensus for this protein family is: C-x(2)-C-x(15,21)-[FYWH]-H-x(2)-[CH]-x(2)-C-x(2)-C-x(3)-[LIVMF]. The 5 C's and the H bind zinc.

C2 domain (protein kinase C like). SEQ ID NOs:1325 and 2282 represent polynucleotides encoding novel members of the family of C2 domain containing proteins. Some isozymes of protein kinase C (PKC) contain a domain, known as C2, of about 116 amino-acid residues, which is located between the two copies of the C1 domain (that bind
5 phorbol esters and diacylglycerol) and the protein kinase catalytic domain. (Azzi A. et al., *Eur. J. Biochem.* 208:547-557 (1992); Stabel S., *Semin. Cancer Biol.* 5:277-284 (1994)).

The C2 domain is involved in calcium-dependent phospholipid binding (Davletov B.A., Suedhof T.C., *J. Biol. Chem.* 268:26386-26390 (1993)). Since domains related to the C2 domain are also found in proteins that do not bind calcium, other putative
10 functions for the C2 domain include binding to inositol-1,3,5-tetraphosphate. (Fukuda M., et al., *J. Biol. Chem.* 269:29206-29211 (1994).)

The consensus pattern for the C2 domain is located in a conserved part of that domain, the connecting loop between beta strands 2 and 3. The profile for the C2 domain covers the total domain. The consensus for this protein family is:: [ACG]-x(2)-L-
15 x(2,3)-D-x(1,2)-[NGSTLIF]-[GTMR]-x-[STAP]-D- [PA]-[FY]

Serine proteases, trypsin family, active sites. SEQ ID NO:1410 represents a polynucleotide encoding a novel member of the family of serine protease, trypsin proteins. The catalytic activity of the serine proteases from the trypsin family is provided by a charge relay system involving an aspartic acid residue hydrogen-bonded to a histidine, which itself
20 is hydrogen-bonded to a serine. The sequences in the vicinity of the active site serine and histidine residues are well conserved in this family of proteases (Brenner S., *Nature* 334:528-530 (1988)).

A consensus for this protein family is: [LIVM]-[ST]-A-[STAG]-H-C [H is the active site residue]. A second consensus for this protein family is: [DNSTAGC]-
25 [GSTAPIMVQH]-x(2)-G-[DE]-S-G-[GS]-[SAPHV]- [LIVMFYWH]-[LIVMFYSTANQH] [S is the active site residue].

RNA Recognition Motif Domain (RRM, RBD, or RNP). SEQ ID NOs: 1464 and 1514 represent polynucleotides encoding novel members of the family of RNA recognition motif domain proteins (Bandziulis R.J. et al., *Genes Dev.* 3:431-437 (1989);
30 Dreyfuss G. et al., *Trends Biochem. Sci.* 13:86-91 (1988)).

Inside the putative RNA-binding domain there are two regions which are highly conserved. The first one is a hydrophobic segment of six residues (which is called the RNP-2 motif); the second one is an octapeptide motif (which is called RNP-1 or RNP-CS). The position of both motifs in the domain is shown in the following schematic
35 representation:

5 As a consensus pattern for this type of domain the RNP-1 motif was used.
The consensus for this protein family is: [RK]-G-{EDRKHPCG}-[AGSCI]-[FY]-[LIVA]-
x-[FYLM]

All eukaryotic PI-PLCs contain two regions of homology, referred to as "X-box" and "Y-box". The order of these two regions is the same (NH₂-X-Y-COOH), but the spacing is variable. In most isoforms, the distance between these two regions is only 50-100 residues but in the gamma isoforms one PH domain, two SH2 domains, and one SH3 domain are inserted between the two PLC-specific domains. The two conserved regions have been shown to be important for the catalytic activity. At the C-terminal of the Y-box, there is a C2 domain possibly involved in Ca-dependent membrane attachment.

The sequences surrounding the active site serine and histidine residues are highly conserved in all these serine carboxypeptidases. A consensus for this protein family is: [LIVM]-x-[GTA]-E-S-Y-[AG]-[GS] [S is the active site residue]. A second consensus

for this protein family is: [LIVF]-x(2)-[LIVSTA]-x-[IVPST]-x-[GSDNQL]-[SAGV]-[SG]-H-x- [IVAQ]-P-x(3)-[PSA] [H is the active site residue].

dsrm Double-Stranded RNA Binding Motif. SEQ ID NO:1818 represents a polynucleotide encoding a novel member of the dsrm double-stranded RNA binding motif proteins. In eukaryotic cells, a multitude of RNA-binding proteins play key roles in the posttranscriptional regulation of gene expression. Characterization of these proteins has led to the identification of several RNA-binding motifs. Several human and other vertebrate genetic disorders are caused by aberrant expression of RNA-binding proteins. (C. G. Burd & G. Dreyfuss, *Science* 265: 615-621 (1994)).

- 10 Proteins containing double stranded RNA binding motifs bind to specific RNA targets. Double stranded RNA binding motifs are exemplified by interferon-induced protein kinase in humans, which is part of the cellular response to dsRNA.

- 15 SEQ ID NOs:2577, 3183 and 3195 encode members of the 4 transmembrane integral membrane protein family. This family consists of type III proteins, which are integral membrane proteins that contain a N-terminal membrane-anchoring domain that is not cleaved during biosynthesis, and which functions as a translocation signal and a membrane anchor. The proteins also have three additional transmembrane regions. The consensus pattern is: G-x(3)-[LIVMF]-x(2)-[GSA]-[LIVMF] (2)-G-C-x-[GA]-[STA]-x(20-[eG]-x(20-[CwN]-[LIVM](2).

- 20 SEQ ID NO:2944 encodes a polypeptide having a calpain large subunit, domain III. Calpains are a family of intracellular proteases that play a variety of biological roles. Calpain 3, also known as p94, is predominantly expressed in skeletal muscle and plays a role in limb-girdle muscular dystrophy type 2A. (Sorimachi, H. et al., *Biochem. J.* 328:721-732, 1997).

- 25 SEQ ID NOs:1911 and 1980 encode polypeptides having a C3HC4 type zinc finger domain (RING finger), which is a cysteine-rich domain of 40 to 60 residues that binds two atoms of zinc, and is believed to be involved in mediating protein-protein interactions. Mammalian proteins of this family include V(D)J recombination activating protein, which activates the rearrangement of immunoglobulin and T-cell receptor genes; breast cancer type 1 susceptibility protein (BRCA1); bmi-1 proto-oncogene; cbl proto-oncogene; and mel-18 protein, which is expressed in a variety of tumor cells and is a transcriptional repressor that recognizes and binds a specific DNA sequence. The consensus pattern is: C-x-H-x-[LIVMFY]-C-x(2)-C-[LIVMYA].

- 35 SEQ ID NO:3274 encodes a eukaryotic transcription factor with a fork head domain, of about 100 amino acid residues. Proteins of this group are transcription factors,

including mammalian transcription factors HNF-3-alpha, -beta, and -gamma; interleukin-enhancer binding factor; and HTLF, which binds to a region of human T-cell leukemia virus long terminal repeat. The consensus pattern is [KR]-P-[PTQ]-[FYLVQH]-S-[FY]x(2)-[LIVM]-X(3,4)-[AC]-[LIM].

5 SEQ ID NO:3345 encodes a polypeptide having a PDZ domain. Several dozen signaling proteins belong to this group of proteins that have 80-100 residue repeats known as PDZ domains. Several of the proteins interact with the C-terminal tetrapeptide motifs X-Ser/Thr/X-Val-COO- of ion channels and/or receptors. (Ponting, C. P., Protein Sci. 6;464-468, 1997.)

10 SEQ ID NO:3351 encodes a polypeptide in the family of phorbol esters/glycerol binding proteins. Phorbol esters (PE) are analogues of diacylglycerol (DAG) and potent tumor promoters. DAG activates a family of serine-threonine protein kinases, known as protein kinase C. The N-terminal region of protein kinase C binds PE and DAG, and contains one or two copies of a cysteine-rich domain of about 50 amino acid
15 residues. Other proteins having this domain include diacylglycerol kinase; the vav oncogene; and N-chimaerin, a brain-specific protein. The DAG/PE binding domain binds two zinc ions through the six cysteines and two histidines that are conserved in the domain. The consensus pattern is: H-x-[LIVMFYW]-x(8, 11)-C-x(2)-C-x(3)-[LIVMFC]-x(5, 10)-C-x(2)-C-x(4)-[HD]-x(2)-C-x(5, 9)-C.

20 SEQ ID NO:2216 encodes a polypeptide having a WW/rsp5/WWP domain. The protein is named for the presence of conserved aromatic positions, generally tryptophan, as well as a conserved proline. Proteins having the domain include dystrophin, vertebrate YAP protein, and IQGAP, a human GTPase activating protein which acts on ras. The consensus pattern is: W-x(9,11)-[VFY]-[FYW]-x(6,7)-[GSTNE]-[GSTQCR]-[FYW]-
25 x(2)-P.

 SEQ ID NO:2428 encodes a member of the dual specificity phosphatase family, having a catalytic domain, and SEQ IDS NOs:2281 and 2310 encode members of the protein tyrosine phosphatase family. These families are related and classified as tyrosine specific protein phosphatases. The enzymes catalyze the removal of a phosphate
30 group from a tyrosine residue, and are important in the control of cell growth, proliferation, differentiation, and transformation. The consensus pattern is [LIVMF]-H-C-x(2)-G-x(3)-[STC]-[STAGP]-x-[LIVMFY].

Table 5

SEQ ID	Start	Stop	Score	Direction	Description
29	295	421	5872	For	mkk like kinases
30	31	182	3943	For	Basic region plus leucine zipper transcription factors
31	298	397	5625	For	mkk like kinases
186	175	395	7660	For	SH2 Domain
187	358	432	4320	For	Ank repeat
196	37	322	6049	For	mkk like kinases
234	23	121	4607	For	SH3 Domain
308	110	172	4150	For	Zinc finger, C2H2 type
410	42	191	4036	For	Basic region plus leucine zipper transcription factors
431	71	428	5538	Rev	ATPases Associated with Various Cellular Activities
552	116	288	3930	Rev	Basic region plus leucine zipper transcription factors
639	157	561	5797	For	ATPases Associated with Various Cellular Activities
746	209	427	5379	For	Fibronectin type III domain
768	116	288	3930	For	Basic region plus leucine zipper transcription factors
807	339	392	3620	For	Zinc finger, C2H2 type
820	341	406	2930	Rev	EF-hand
822	108	262	4179	For	Basic region plus leucine zipper transcription factors
836	158	353	4430	For	Basic region plus leucine zipper transcription factors
1157	41	444	5279	Rev	protein kinase
1192	186	416	5469	For	Fibronectin type III domain
1268	238	315	3540	For	Ank repeat
1269	79	240	11640	For	LIM domain containing proteins

SEQ ID	Start	Stop	Score	Direction	Description
1288	73	234	3953	For	Basic region plus leucine zipper transcription factors
1309	248	404	8226	for	LIM domain containing proteins
1324	294	356	4690	for	Zinc finger, C2H2 type
1325	1	234	8981	for	C2 domain (prot. kinase C like)
1336	66	164	6390	for	WD domain, G-beta repeats
1360	222	377	8686	for	LIM domain containing proteins
1365	69	257	5221	for	Basic region plus leucine zipper transcription factors
1380	42	140	7130	for	WD domain, G-beta repeats
1386	243	398	8736	for	LIM domain containing proteins
1410	222	350	10553	for	Trypsin
1417	8	354	6073	for	Protein Tyrosine Phosphatase
1454	49	209	3996	for	Basic region plus leucine zipper transcription factors
1464	4	180	4978	for	RNA recognition motif. (aka RRM, RBD, or RNP domain)
1478	54	437	5176	for	protein kinase
1496	241	520	3929	for	Helicases conserved C-terminal domain
1496	40	612	5187	for	protein kinase
1503	154	216	4870	for	Zinc finger, C2H2 type
1514	2	252	4662	for	RNA recognition motif. (aka RRM, RBD, or RNP domain)
1527	156	212	3520	for	Zinc finger, C2H2 type
1538	9	635	11087	for	wnt family of developmental signaling proteins
1540	289	471	4107	for	Basic region plus leucine zipper transcription factors
1549	200	391	4118	for	Basic region plus leucine zipper transcription factors
1556	163	354	3958	for	Basic region plus leucine zipper transcription factors
1557	207	398	4038	for	Basic region plus leucine zipper transcription factors

SEQ ID	Start	Stop	Score	Direction	Description
1563	107	298	3978	for	Basic region plus leucine zipper transcription factors
1622	180	365	4022	for	Basic region plus leucine zipper transcription factors
1630	100	291	3998	for	Basic region plus leucine zipper transcription factors
1674	196	258	4880	for	Zinc finger, C2H2 type
1676	9	86	6610	for	Homeobox Domain
1677	316	369	5780	rev	Thioredoxins
1688	109	410	17414	for	Ras family
1704	184	372	3977	for	Basic region plus leucine zipper transcription factors
1707	92	439	24100	rev	Phosphatidylinositol-specific phospholipase C, Y domain
1711	263	361	6400	for	WD domain, G-beta repeats
1744	238	433	10572	rev	Serine carboxypeptidases
1755	281	367	2580	for	EF-hand
1762	236	334	5880	for	WD domain, G-beta repeats
1779	64	126	4790	for	Zinc finger, C2H2 type
1801	295	351	4030	for	Zinc finger, C2H2 type
1804	301	378	3460	for	Ank repeat
1808	36	161	4170	for	Basic region plus leucine zipper transcription factors
1811	184	315	8390	for	N-terminal homology in Ets domain
1814	127	294	10770	for	Bromodomain (conserved sequence found in human, Drosophila and yeast proteins.)
1818	9	146	4741	for	Double-stranded RNA binding motif
1819	278	355	3460	for	Ank repeat
1820	123	299	12150	for	Homeobox Domain
1821	127	303	12180	for	Homeobox Domain
1830	184	267	4270	for	Ank repeat
1832	18	173	8987	for	SH3 Domain
1835	51	206	8987	for	SH3 Domain

SEQ ID	Start	Stop	Score	Direction	Description
1839	224	307	4270	for	Ank repeat
1846	12	398	36700	for	G-protein alpha subunit
1909	160	258	6370	for	WD domain, G-beta repeats
1911	35	151	9335	for	Zinc finger, C3HC4 type (RING finger)
1980	60	197	7917	for	Zinc finger, C3HC4 type (RING finger)
2065	253	306	5410	for	Zinc finger, CCHC class
2135	2	401	10596	for	ATPases Associated with Various Cellular Activities
2216	90	179	5380	for	WW/rsp5/WWP domain containing proteins
2218	127	225	5500	for	WD domain, G-beta repeats
2281	20	387	6044	for	Protein Tyrosine Phosphatase
2282	183	353	5136	for	C2 domain (prot. kinase C like)
2286	12	382	5228	for	protein kinase
2310	20	371	5962	for	Protein Tyrosine Phosphatase
2363	48	211	4132	for	Basic region plus leucine zipper transcription factors
2424	43	194	3996	for	Basic region plus leucine zipper transcription factors
2428	25	350	4675	for	Dual specificity phosphatase, catalytic domain
2562	18	101	4560	for	Ank repeat
2577	0	311	10295	for	4 transmembrane segments integral membrane proteins
2591	60	165	4560	for	SH2 Domain
2684	9	461	5759	for	ATPases Associated with Various Cellular Activities
2826	116	400	16107	for	DEAD and DEAH box helicases
2859	100	320	5550	rev	ATPases Associated with Various Cellular Activities
2871	198	392	9384	for	DEAD and DEAH box helicases
2944	18	281	10480	for	Calpain large subunit, domain III
2969	5	387	5976	rev	protein kinase
3015	131	214	3600	for	Ank repeat
3047	191	292	5295	for	WD domain, G-beta repeats
3081	190	252	4360	for	Zinc finger, C2H2 type
3108	275	367	5791	for	WD domain, G-beta repeats
3147	190	369	4022	for	Basic region plus leucine zipper transcription factors

SEQ ID	Start	Stop	Score	Direction	Description
3152	129	320	3947	for	Basic region plus leucine zipper transcription factors
3158	167	334	4180	for	Basic region plus leucine zipper transcription factors
3175	14	164	5951	for	mkk like kinases
3175	8	112	5968	for	protein kinase
3178	45	386	19398	for	ATPases Associated with Various Cellular Activities
3183	14	215	9133	for	4 transmembrane segments integral membrane proteins
3190	229	390	6089	for	mkk like kinases
3190	118	390	8063	for	protein kinase
3193	293	355	3570	for	Zinc finger, C2H2 type
3195	0	215	10146	for	4 transmembrane segments integral membrane proteins
3197	281	343	4490	for	Zinc finger, C2H2 type
3208	34	256	4190	for	Basic region plus leucine zipper transcription factors
3258	138	394	9877	for	Ras family
3266	8	139	9328	for	ATPases Associated with Various Cellular Activities
3267	97	180	3820	for	Ank repeat
3274	11	187	15442	for	Fork head domain, eukaryotic transcription factors
3281	15	182	9681	for	mkk like kinases
3285	16	102	4680	for	EF-hand
3292	208	300	5585	for	WD domain, G-beta repeats
3297	7	153	6100	for	Helicases conserved C-terminal domain
3306	161	223	4900	for	Zinc finger, C2H2 type
3307	43	321	8740	for	SH2 Domain
3339	94	342	14970	for	SH2 Domain
3345	65	271	12512	for	PDZ domain
3351	124	270	6068	for	Phorbol esters/diacylglycerol binding

Example 4

DIFFERENTIAL EXPRESSION OF POLYNUCLEOTIDES OF THE INVENTION:
DESCRIPTION OF LIBRARIES AND DETECTION OF DIFFERENTIAL EXPRESSION

- 5 The relative expression levels of the polynucleotides of the invention was assessed in several libraries prepared from various sources, including cell lines and patient tissue samples. Table 6 provides a summary of these libraries, including the shortened library name (used hereafter), the mRNA source used to prepare the cDNA library, the abbreviated name of the library that is used in the tables below (in quotes), and the
- 10 approximate number of clones in the library.

Table 6
Description of cDNA Libraries

Library (lib #)	Description	Number of Clones in this Clustering
1	Km12 L4 Human Colon Cell Line, High Metastatic Potential (derived from Km12C) "High Colon"	307133
2	Km12C Human Colon Cell Line, Low Metastatic Potential "Low Colon"	284755
3	MDA-MB-231 Human Breast Cancer Cell Line, High Metastatic Potential; micro-metastases in lung "High Breast"	326937
4	MCF7 Human Breast Cancer Cell, Non Metastatic "Low Breast"	318979
8	MV-522 Human Lung Cancer Cell Line, High Metastatic Potential "High Lung"	223620
9	UCP-3 Human Lung Cancer Cell Line, Low Metastatic Potential "Low Lung"	312503

Library (lib #)	Description	Number of Clones in this Clustering
12	Human microvascular endothelial cells (HMEC) – Untreated PCR (OligodT) cDNA library	41938
13	Human microvascular endothelial cells (HMEC) – Basic fibroblast growth factor (bFGF) treated PCR (OligodT) cDNA library	42100
14	Human microvascular endothelial cells (HMEC) – Vascular endothelial growth factor (VEGF) treated PCR (OligodT) cDNA library	42825
15	Normal Colon – UC#2 Patient PCR (OligodT) cDNA library “Normal Colon Tumor Tissue”	34285
16	Colon Tumor – UC#2 Patient PCR (OligodT) cDNA library “Normal Colon Tumor Tissue”	35625
17	Liver Metastasis from Colon Tumor of UC#2 Patient PCR (OligodT) cDNA library “High Colon Metastasis Tissue”	36984
18	Normal Colon – UC#3 Patient PCR (OligodT) cDNA library “Normal Colon Tumor Tissue”	36216
19	Colon Tumor – UC#3 Patient PCR (OligodT) cDNA library “High Colon Tumor Tissue”	41388
20	Liver Metastasis from Colon Tumor of UC#3 Patient PCR (OligodT) cDNA library “High Colon Metastasis Tissue”	30956
21	G RRPz Human Prostate Cell Line	164801
22	WOca Human Prostate Cancer Cell Line	162088

The KM12L4 and KM12C cell lines are described in Example 1 above. The MDA-MB-231 cell line was originally isolated from pleural effusions (Cailleau, *J. Natl. Cancer. Inst.* (1974) 53:661), is of high metastatic potential, and forms poorly

differentiated adenocarcinoma grade II in nude mice consistent with breast carcinoma. The MCF7 cell line was derived from a pleural effusion of a breast adenocarcinoma and is non-metastatic. The MV-522 cell line is derived from a human lung carcinoma and is of high metastatic potential. The UCP-3 cell line is a low metastatic human lung carcinoma cell line; the MV-522 is a high metastatic variant of UCP-3. These cell lines are well-recognized in the art as models for the study of human breast and lung cancer (see, e.g., Chandrasekaran et al., *Cancer Res.* (1979) 39:870 (MDA-MB-231 and MCF-7); Gastpar et al., *J Med Chem* (1998) 41:4965 (MDA-MB-231 and MCF-7); Ranson et al., *Br J Cancer* (1998) 77:1586 (MDA-MB-231 and MCF-7); Kuang et al., *Nucleic Acids Res* (1998) 26:1116 (MDA-MB-231 and MCF-7); Varki et al., *Int J Cancer* (1987) 40:46 (UCP-3); Varki et al., *Tumour Biol.* (1990) 11:327; (MV-522 and UCP-3); Varki et al., *Anticancer Res.* (1990) 10:637; (MV-522); Kelner et al., *Anticancer Res* (1995) 15:867 (MV-522); and Zhang et al., *Anticancer Drugs* (1997) 8:696 (MV522)). The samples of libraries 15-20 are derived from two different patients (UC#2, and UC#3). The bFGF-treated HMEC were prepared by incubation with bFGF at 10ng/ml for 2 hrs; the VEGF-treated HMEC were prepared by incubation with 20ng/ml VEGF for 2 hrs. Following incubation with the respective growth factor, the cells were washed and lysis buffer added for RNA preparation. The GRRpz cell line refers to low passage (3 passages or fewer) human prostate cells, and the WOca cell line refers to low passage (3 passages or fewer) human prostate cancer cells.

Each of the libraries is composed of a collection of cDNA clones that in turn are representative of the mRNAs expressed in the indicated mRNA source. In order to facilitate the analysis of the millions of sequences in each library, the sequences were assigned to clusters. The concept of "cluster of clones" is derived from a sorting/grouping of cDNA clones based on their hybridization pattern to a panel of roughly 300 7bp oligonucleotide probes (see Drmanac et al., *Genomics* (1996) 37(1):29). Random cDNA clones from a tissue library are hybridized at moderate stringency to 300 7bp oligonucleotides. Each oligonucleotide has some measure of specific hybridization to that specific clone. The combination of 300 of these measures of hybridization for 300 probes equals the "hybridization signature" for a specific clone. Clones with similar sequence will have similar hybridization signatures. By developing a sorting/grouping algorithm to analyze these signatures, groups of clones in a library can be identified and brought together computationally. These groups of clones are termed "clusters". Depending on the stringency of the selection in the algorithm (similar to the stringency of hybridization in a classic library cDNA screening protocol), the "purity" of each cluster can be controlled.

For example, artifacts of clustering may occur in computational clustering just as artifacts can occur in “wet-lab” screening of a cDNA library with 400 bp cDNA fragments, at even the highest stringency. The stringency used in the implementation of cluster herein provides groups of clones that are in general from the same cDNA or closely related cDNAs. Closely related clones can be a result of different length clones of the same cDNA, closely related clones from highly related gene families, or splice variants of the same cDNA.

Differential expression for a selected cluster was assessed by first determining the number of cDNA clones corresponding to the selected cluster in the first library (Clones in 1st), and the determining the number of cDNA clones corresponding to the selected cluster in the second library (Clones in 2nd). Differential expression of the selected cluster in the first library relative to the second library is expressed as a “ratio” of percent expression between the two libraries. In general, the “ratio” is calculated by: 1) calculating the percent expression of the selected cluster in the first library by dividing the number of clones corresponding to a selected cluster in the first library by the total number of clones analyzed from the first library; 2) calculating the percent expression of the selected cluster in the second library by dividing the number of clones corresponding to a selected cluster in a second library by the total number of clones analyzed from the second library; 3) dividing the calculated percent expression from the first library by the calculated percent expression from the second library. If the “number of clones” corresponding to a selected cluster in a library is zero, the value is set at 1 to aid in calculation. The formula used in calculating the ratio takes into account the “depth” of each of the libraries being compared, *i.e.*, the total number of clones analyzed in each library.

In general, a polynucleotide is said to be significantly differentially expressed between two samples when the ratio value is greater than at least about 2, preferably greater than at least about 3, more preferably greater than at least about 5, where the ratio value is calculated using the method described above. The significance of differential expression is determined using a z score test (Zar, Biostatistical Analysis, Prentice Hall, Inc., USA, “Differences between Proportions,” pp 296-298 (1974)).

EXAMPLE 5

POLYNUCLEOTIDES DIFFERENTIALLY EXPRESSED IN HIGH METASTATIC POTENTIAL
BREAST CANCER CELLS VERSUS LOW METASTATIC BREAST CANCER CELLS

5 A number of polynucleotide sequences have been identified that are differentially expressed between cells derived from high metastatic potential breast cancer tissue and low metastatic breast cancer cells. Expression of these sequences in breast cancer can be valuable in determining diagnostic, prognostic and/or treatment information. For example, sequences that are highly expressed in the high metastatic potential cells can
10 be indicative of increased expression of genes or regulatory sequences involved in the metastatic process. A patient sample displaying an increased level of one or more of these polynucleotides may thus warrant more aggressive treatment. In another example, sequences that display higher expression in the low metastatic potential cells can be associated with genes or regulatory sequences that inhibit metastasis, and thus the
15 expression of these polynucleotides in a sample may warrant a more positive prognosis than the gross pathology would suggest.

The differential expression of these polynucleotides can be used as a diagnostic marker, a prognostic marker, for risk assessment, patient treatment and the like. These polynucleotide sequences can also be used in combination with other known
20 molecular and/or biochemical markers.

The following tables summarize polynucleotides that are differentially expressed between high metastatic potential breast cancer cells and low metastatic potential breast cancer cells.

Table 7

25 Differentially expressed polynucleotides: Higher expression in high metastatic potential breast cancer (lib3) relative to low metastatic breast cancer cells (lib4)

SEQ ID NOs:	Lib3 clones	Lib4 clones	lib3/lib4
472	64	0	62
1851	6	0	6
1856	8	0	8
1867	6	0	6
1872	6	0	6
1875	12	3	4

SEQ ID NOs:	Lib3 clones	Lib4 clones	lib3/lib4
1923	89	22	4
2118	7	0	7
2119	7	0	7
2135	37	13	3
2190	19	0	19
2193	16	5	3
2232	12	2	6
2239	6	0	6
2338	21	2	10
2378	16	4	4
2394	6	0	6
2395	6	0	6
2490	13	3	4
2505	16	2	8
2540	8	1	8
2542	11	1	11
2607	11	2	5
2640	22	5	4
2674	8	0	8
2679	19	0	19
2684	14	4	3
2707	8	0	8
2724	9	0	9
2757	6	0	6
2776	10	0	10
2804	13	2	6
2818	6	0	6
2906	14	0	14
2959	26	8	3
2964	17	4	4
2968	6	0	6
2977	22	3	7
2980	13	1	13
3010	6	0	6
3043	10	1	10
3071	33	12	3
3072	9	1	9
3095	19	3	6
3097	11	2	5
3173	12	2	6

SEQ ID NOs:	Lib3 clones	Lib4 clones	lib3/lib4
3203	8	1	8
3210	27	8	3
3212	13	1	13
3284	8	0	8
3288	6	0	6
3331	14	3	5
3335	13	1	13

Table 8

Differentially expressed polynucleotides: Higher expression in low metastatic breast cancer cells (lib4) relative to high metastatic potential breast cancer (lib3)

5

SEQ ID NOs:	Lib 3 Clones	Lib 4 Clones	lib4/lib3
402	0	6	6
614	3	21	7
624	0	6	6
626	0	8	8
712	0	9	9
744	0	7	7
1325	2	29	15
1452	2	13	7
1880	0	9	9
1915	0	7	7
1951	0	6	6
1955	8	32	4
2015	0	7	7
2046	0	7	7
2076	1	22	23
2087	0	6	6
2124	0	9	9
2145	0	8	8
2162	0	6	6
2163	0	12	12
2164	5	19	4
2172	2	15	8
2192	5	16	3
2244	20	43	2

SEQ ID NOs:	Lib 3 Clones	Lib 4 Clones	lib4/lib3
2266	3	18	6
2313	24	56	2
2346	1	13	13
2355	0	10	10
2371	0	6	6
2393	1	17	17
2404	1	21	22
2443	0	6	6
2460	0	11	11
2523	0	6	6
2575	1	10	10
2578	0	6	6
2584	1	17	17
2590	0	6	6
2609	1	9	9
2632	5	24	5
2714	5	24	5
2728	0	6	6
2752	1	14	14
2794	4	15	4
2826	0	7	7
2987	5	15	3
3005	1	14	14
3009	20	58	3
3047	4	17	4
3057	2	17	9
3075	2	11	6
3076	0	6	6
3102	0	6	6
3128	15	52	4
3132	15	52	4
3142	0	6	6
3187	22	49	2
3253	23	96	4
3282	19	46	2
3285	20	40	2
3346	0	9	9

EXAMPLE 6

POLYNUCLEOTIDES DIFFERENTIALLY EXPRESSED IN HIGH METASTATIC POTENTIAL LUNG
CANCER CELLS VERSUS LOW METASTATIC LUNG CANCER CELLS

5 A number of polynucleotide sequences have been identified that are
differentially expressed between cells derived from high metastatic potential lung cancer
cells and low metastatic lung cancer cells. Expression of these sequences in lung cancer
tissue can be valuable in determining diagnostic, prognostic and/or treatment information.
For example, sequences that are highly expressed in the high metastatic potential cells can
10 be indicative of increased expression of genes or regulatory sequences involved in the
metastatic process. A patient sample displaying an increased level of one or more of these
polynucleotides may thus warrant more aggressive treatment. In another example,
sequences that display higher expression in the low metastatic potential cells can be
associated with genes or regulatory sequences that inhibit metastasis, and thus the
15 expression of these polynucleotides in a sample may warrant a more positive prognosis
than the gross pathology would suggest.

 The differential expression of these polynucleotides can be used as a
diagnostic marker, a prognostic marker, for risk assessment, patient treatment and the like.
These polynucleotide sequences can also be used in combination with other known
20 molecular and/or biochemical markers.

 The following tables summarize polynucleotides that are differentially
expressed between high metastatic potential lung cancer cells and low metastatic potential
lung cancer cells:

Table 9

Differentially expressed polynucleotides: Higher expression in high metastatic potential lung cancer cells (lib8) relative to low metastatic lung cancer cells (lib9)

SEQ ID NO:	Lib8 clones	Lib9 clones	lib8/lib9
14	10	0	10
137	5	0	5
151	5	0	7
152	9	0	13
171	6	0	8
200	10	0	14
254	5	0	7
262	5	0	7
271	5	0	7
348	6	1	8
412	5	0	7
507	5	0	7
520	6	0	8
530	5	0	7
588	5	0	7
623	7	0	10
637	7	0	10
660	5	0	7
678	8	0	11
680	5	0	7
700	9	2	6
714	28	13	3
774	11	0	15
812	5	0	7
834	8	2	6
901	11	2	8
1168	5	0	7
1333	6	0	8
1352	5	0	7
1524	11	1	15
1706	5	0	7
1752	17	9	3
1768	20	4	7
1769	5	0	7
1780	6	0	8

SEQ ID NO:	Lib8 clones	Lib9 clones	lib8/lib9
1781	40	3	19
1799	6	1	8
1803	6	1	8
1811	16	9	2
1884	6	0	8
1919	8	1	11
1939	6	0	8
1975	43	9	7
2024	12	1	17
2045	8	1	11
2060	20	13	2
2071	16	4	6
2128	5	0	7
2177	10	2	7
2181	44	13	5
2184	11	1	15
2185	10	4	3
2283	7	0	10
2311	10	4	3
2314	10	0	14
2393	14	6	3
2398	6	1	8
2460	10	4	3
2514	6	0	8
2597	5	0	7
2657	8	2	6
2669	6	1	8
2670	6	1	8
3047	21	3	10
3050	16	5	4
3092	7	1	10
3140	181	119	2
3157	5	0	7
3187	16	5	4
3210	5	0	7
3220	28	4	10
3236	7	1	10
3249	16	0	22
3264	8	2	6
3305	7	0	10

SEQ ID NO:	Lib8 clones	Lib9 clones	lib8/lib9
3309	20	0	28
3318	24	4	8
3330	5	0	7
3331	5	0	7

Table 10

Differentially expressed polynucleotides: Higher expression in low metastatic lung cancer cells (lib 9) relative to high metastatic potential lung cancer cells (lib 8)

SEQ ID NO:	Lib 8 clones	Lib 9 clones	lib 9/lib 8
24	3	20	5
53	0	18	13
64	0	8	6
70	0	11	8
105	10	66	5
129	0	16	11
214	1	14	10
233	4	35	6
237	0	13	9
264	0	29	21
329	2	17	6
368	1	37	26
370	0	11	8
418	0	8	6
450	0	9	6
461	0	9	6
484	0	26	19
494	0	41	29
517	1	12	9
522	1	11	8
581	1	17	12
614	3	23	5
706	0	11	8
726	5	23	3
806	0	14	10
824	0	9	6
836	1	14	10
874	0	12	9

SEQ ID NO:	Lib 8 clones	Lib 9 clones	lib 9/lib 8
900	5	21	3
1017	2	14	5
1144	0	8	6
1154	0	12	9
1166	2	45	16
1170	1	13	9
1302	2	13	5
1326	1	13	9
1327	1	13	9
1367	0	12	9
1377	0	12	9
1437	2	18	6
1442	1	14	10
1466	0	13	9
1476	0	13	9
1495	0	8	6
1496	1	13	9
1664	38	253	5
1682	1	17	12
1687	0	9	6
1758	0	8	6
1817	4	18	3
1837	3	16	4
1845	3	23	5
1856	2	17	6
1910	1	18	13
2146	2	16	9
2156	0	9	6
2463	0	12	9
2724	10	38	3
2749	403	2000	4
2801	6	25	3
2993	3	18	4
3080	0	10	7
3107	3	23	5
3292	0	20	14
3324	110	548	4

EXAMPLE 7

POLYNUCLEOTIDES DIFFERENTIALLY EXPRESSED IN HIGH METASTATIC POTENTIAL COLON
CANCER CELLS VERSUS LOW METASTATIC COLON CANCER CELLS

5 A number of polynucleotide sequences have been identified that are
differentially expressed between cells derived from high metastatic potential colon cancer
cells and low metastatic colon cancer cells. Expression of these sequences in colon cancer
tissue can provide diagnostic, prognostic and/or treatment information. For example,
sequences that are highly expressed in the high metastatic potential cells can be indicative
10 of increased expression of genes or regulatory sequences involved in the metastatic process.
A patient sample displaying an increased level of one or more of these polynucleotides may
thus warrant more aggressive treatment. In another example, sequences that display higher
expression in the low metastatic potential cells can be associated with genes or regulatory
sequences that inhibit metastasis, and thus the expression of these polynucleotides in a
15 sample may warrant a more positive prognosis than the gross pathology would suggest.

The differential expression of these polynucleotides can be used as a
diagnostic marker, a prognostic marker, for risk assessment, patient treatment and the like.
These polynucleotide sequences can also be used in combination with other known
molecular and/or biochemical markers.

20 The following table summarizes identified polynucleotides with differential
expression between high metastatic potential colon cancer cells and low metastatic
potential colon cancer cells:

Table 11

25 Differentially expressed polynucleotides: Higher expression in low metastatic colon cancer
cells (lib 2) relative to high metastatic potential colon cancer cells (lib 1)

SEQ ID NOs:	Lib 1 clones	Lib 2 clones	lib 2/lib 1
429	0	9	10
1494	0	8	9
1923	34	114	4
1986	3	12	4
2018	0	9	10
2036	2	10	5
2049	8	25	3
2135	24	87	4

SEQ ID NOs:	Lib 1 clones	Lib 2 clones	lib 2/lib 1
2146	2	16	9
2208	6	27	5
2215	2	11	6
2239	1	10	11
2307	2	12	6
2313	28	62	2
2357	5	14	3
2360	3	21	8
2362	0	6	6
2378	3	12	4
2569	3	20	7
2571	0	6	6
2588	54	172	3
2592	15	41	3
2611	0	6	6
2636	0	9	10
2641	7	20	3
2650	0	9	10
2662	0	9	10
2674	4	13	4
2682	0	6	6
2702	9	25	3
2704	8	23	3
2715	2	12	6
2804	9	22	3
2821	13	29	2
2840	1	8	9
2846	2	15	8
2866	0	6	6
2906	0	6	6
2915	44	109	3
2933	0	6	6
2935	5	16	3
2957	1	11	12
2959	3	27	10
2977	16	30	2
2980	12	27	2
3000	2	13	7
3009	12	29	3
3115	0	7	8

SEQ ID NOs:	Lib 1 clones	Lib 2 clones	lib 2/lib 1
3156	502	2170	5
3210	2	21	11
3211	0	9	10
3213	0	7	8
3235	2	12	6
3251	2	12	6
3296	3	12	4
3335	1	8	9

EXAMPLE 8

POLYNUCLEOTIDES DIFFERENTIALLY EXPRESSED IN HIGH METASTATIC POTENTIAL COLON CANCER PATIENT TISSUE VERSUS NORMAL PATIENT TISSUE

5

A number of polynucleotide sequences have been identified that are differentially expressed between cells derived from high metastatic potential colon cancer tissue and normal tissue. Expression of these sequences in colon cancer tissue can provide diagnostic, prognostic and/or treatment information. For example, sequences that are

10 highly expressed in the high metastatic potential cells can be indicative of increased expression of genes or regulatory sequences involved in the advanced disease state which involves processes such as angiogenesis, dedifferentiation, cell replication, and metastasis. A patient sample displaying an increased level of one or more of these polynucleotides may thus warrant more aggressive treatment.

15

The differential expression of these polynucleotides can be used as a diagnostic marker, a prognostic marker, for risk assessment, patient treatment and the like. These polynucleotide sequences can also be used in combination with other known molecular and/or biochemical markers.

20 The following tables summarize polynucleotides that are differentially expressed between high metastatic potential colon cancer tissue and normal colon tissue:

Table 12

Differentially expressed polynucleotides isolated from samples from two patients (patient 2 and patient 3 and) : Lower expression in high metastatic potential colon tissue (patient 2:lib 17; patient 3:lib 20) vs. normal colon tissue (patient 2:lib 15; patient 3:lib 18)

SEQ ID NO:	lib 15 clones	lib 17 clones	lib 15/lib 17
69	19	7	3
123	6	0	6
140	24	8	3
197	6	0	6
198	113	0	121
254	28	9	3
412	28	9	3
512	11	1	12
641	17	7	3
642	7	0	8
954	12	3	4
1011	209	16	14
1024	8	0	9
1040	12	3	4
1055	26	7	4
1106	31	15	2
1125	17	0	18
1129	17	0	18
1138	109	0	117
1244	14	1	15
1253	73	0	78
1283	34	7	5
1285	34	7	5
1339	13	4	3
1474	73	0	78
1505	18	3	6
1553	68	6	12
1554	2542	14	195
1605	2542	14	195
1628	6	0	6
1643	142	4	38
1753	12	0	10
1764	13	0	14
SEQ ID NO:	Lib18 Clones	Lib20 Clones	lib18/lib20
105	28	11	2

SEQ ID NO:	lib 15 clones	lib 17 clones	lib 15/lib 17
198	21	0	18
254	9	0	8
412	9	0	8
1011	11	1	9
1138	14	0	12
1253	23	0	20
1643	18	0	15
1764	12	0	10
3156	140	43	3

Table 13

Differentially expressed polynucleotides isolated from samples from two patients (patient 2 and patient 3): Lower expression in normal colon tissue (patient 2:lib 15; patient 3:lib 18)vs. high metastatic potential colon tissue (patient 2:lib 17; patient 3:lib 20).

SEQ ID NO:	Lib 15 Clones	Lib 17 Clones	lib 17/lib 15
321	3	23	7
363	1	9	8
836	21	99	4
859	6	20	3
885	13	28	2
916	13	28	2
981	2	11	5
1226	8	70	8
1308	0	8	7
1317	29	84	3
1429	27	127	4
1442	0	9	8
1534	1	12	11
1540	12	43	3
1552	0	7	7
1556	1	9	8
1557	1	9	8
1569	2189	5122	2
1571	6	18	3
1576	3	25	8
1581	4	22	5
1601	25	157	6

SEQ ID NO:	Lib 15 Clones	Lib 17 Clones	lib 17/lib 15
1613	9	48	5
1616	15	61	4
1620	2	17	8
1622	4	99	23
1626	6	35	5
1647	4	22	5
1664	4	28	7
1683	2	18	8
1704	3	15	5
1800	0	7	7
2749	23	60	2
2784	4	14	3
2805	1	9	8
2976	3	14	4
3128	18	57	3
3129	26	124	4
3146	64	210	3
3150	940	2267	2
3151	2	15	7
SEQ ID NO:	lib 18 clones	lib 20 clones	lib 20/lib 18
865	0	5	6
1569	1	7	8
1580	1	7	8
1590	1	7	8
2790	0	5	6

EXAMPLE 9

POLYNUCLEOTIDES DIFFERENTIALLY EXPRESSED IN HIGH COLON TUMOR POTENTIAL PATIENT TISSUE VERSUS METASTASIZED COLON CANCER PATIENT TISSUE

- 5 A number of polynucleotide sequences have been identified that are differentially expressed between cells derived from colon cancer tissue and cells derived from colon cancer tissue metastases to liver. Expression of these sequences in colon cancer tissue can provide diagnostic, prognostic and/or treatment information associated with the transformation of precancerous tissue to malignant tissue. This information can be useful
- 10 in the prevention of achieving the advanced malignant state in these tissues, and can be important in risk assessment for a patient.

The following table summarizes identified polynucleotides with differential expression between high tumor potential colon cancer tissue and cells derived from high metastatic potential colon cancer cells:

5

Table 14

Differentially expressed polynucleotides:
Greater expression in metastatic colon tumor tissue (lib 20) vs.
colon tumor tissue (lib 19)

SEQ ID NO:	lib 19 clones	lib 20 clones	lib 20/lib 19
937	0	6	8
976	0	5	7
1520	1	8	11
1546	1	11	15
1550	1	11	15
1574	1	8	11
1580	0	7	9
1590	0	7	9
1599	8	21	4
1607	158	632	5
1622	1	7	9

10

Table 15

Greater expression in colon tumor tissue (lib 19) than metastatic colon tissue (lib 20)

SEQ ID NO:	lib 19 clones	lib 20 clones	lib 19/lib 20
105	64	11	4
1011	53	1	40
1226	18	4	3
1571	8	0	6
1726	15	3	4
1811	17	2	6
2749	47	6	6
3146	19	2	7
3324	20	1	15

EXAMPLE 10

POLYNUCLEOTIDES DIFFERENTIALLY EXPRESSED IN HIGH TUMOR POTENTIAL
COLON CANCER PATIENT TISSUE VERSUS NORMAL PATIENT TISSUE

A number of polynucleotide sequences have been identified that are
 5 differentially expressed between cells derived from high tumor potential colon cancer
 tissue and normal tissue. Expression of these sequences in colon cancer tissue can provide
 diagnostic, prognostic and/or treatment information associated with the prevention of the
 malignant state in these tissues, and can be important in risk assessment for a patient. For
 example, sequences that are highly expressed in the potential colon cancer cells are
 10 associated with or can be indicative of increased expression of genes or regulatory
 sequences involved in early tumor progression. A patient sample displaying an increased
 level of one or more of these polynucleotides may thus warrant closer attention or more
 frequent screening procedures to catch the malignant state as early as possible.

The following tables summarize polynucleotides that are differentially
 15 expressed between high metastatic potential colon cancer cells and normal colon cells:

Table 16

Differentially expressed polynucleotides detected in samples from patient (patient 2)
 Higher expression in normal colon tissue (patient 2, lib 15)
 vs. tumor potential colon tissue (patient 2:lib16)

SEQ ID NO:	lib 15 clones	lib 16 clones	lib 16/lib 15
69	19	7	3
105	116	54	2
140	24	4	6
197	6	0	6
198	113	3	40
254	28	6	5
412	28	6	5
642	7	0	7
830	10	2	5
938	31	13	3
1011	209	37	6
1095	12	3	4
1125	17	0	18
1129	17	0	18
1138	109	1	115

SEQ ID NO:	lib 15 clones	lib 16 clones	lib 16/lib 15
1253	73	1	77
1283	34	13	3
1285	34	13	3
1339	13	3	5
1453	11	3	4
1474	73	1	77
1505	18	6	3
1554	2542	448	6
1605	2542	448	6
1614	36	14	3
1630	24	9	3
1643	142	2	75
1646	39	14	3
1649	24	8	3
1677	19	6	3
1753	13	0	14
1764	13	0	14
1766	177	65	3
1772	24	8	3

Table 17

Differentially expressed polypeptides detected in samples from patient. Lower expression in normal colon tissue (lib 18) than colon tumor tissue (lib 19)

SEQ ID NO:	lib 18 clones	lib 19 clones	lib 19/lib 18
3146	3	19	6
3150	21	228	10
3324	3	20	6

Table 18

Differentially expressed polypeptides detected in samples from patient. Higher expression in normal colon tissue (lib 18) than colon tumor tissue (lib 19)

SEQ ID NO:	lib 18 clones	lib 19 clones	lib 18/lib 19
198	21	2	12
465	6	0	7
489	6	0	7
745	6	0	7
859	11	2	6
976	7	0	8
1011	209	37	6
1045	8	1	9
1138	14	0	16
1253	23	0	26
1392	16	4	5
1474	23	0	26
1589	6	0	7
1591	22	11	2
1607	386	158	3
1643	18	0	21
1753	12	0	14
1764	12	0	14
SEQ ID NO:	lib 18 clones	lib 19 clones	lib 19/lib 18
105	28	64	2
1011	11	53	4
1226	2	18	8
1251	6	19	3
1559	1	9	8
1571	0	8	7
1608	1	9	8
1766	2	13	6
1782	1	9	8
1811	1	17	15

Table 19

Differentially expressed polynucleotides:

Higher expression in colon tumor tissue

(patient 2, lib 16) vs. normal colon tissue (patient 2, lib 15)

SEQ ID NO:	lib 15 clones	lib 16 clones	lib 16/lib 15
7	1	9	9
164	6	19	3
734	4	15	4
836	21	53	2
928	2	11	5
965	2	11	5
987	2	11	5
1026	7	19	3
1044	4	16	4
1119	4	16	4
1226	8	46	5
1227	0	9	9
1251	7	95	13
1316	0	6	6
1429	27	81	3
1442	0	9	9
1540	12	28	2
1553	68	590	8
1560	4	24	6
1577	1	10	9
1588	5	20	4
1610	3	13	4
1620	2	23	11
1626	6	23	4
1673	2	15	7
2416	0	7	7
2749	23	54	2
2976	3	14	4
3129	26	64	2
3132	18	54	3

EXAMPLE 11

POLYNUCLEOTIDES DIFFERENTIALLY EXPRESSED IN GROWTH FACTOR-STIMULATED HUMAN MICROVASCULAR ENDOTHELIAL CELLS (HMEC) RELATIVE TO UNTREATED HMEC

A number of polynucleotide sequences have been identified that are
 5 differentially expressed between human microvascular endothelial cells (HMEC) that have been treated with growth factors relative to untreated HMEC.

Sequences that are differentially expressed between growth factor-treated HMEC and untreated HMEC can represent sequences encoding gene products involved in angiogenesis, metastasis (cell migration), and other developmental and oncogenic
 10 processes. For example, sequences that are more highly expressed in HMEC treated with growth factors (such as bFGF or VEGF) relative to untreated HMEC can serve as markers of cancer cells of higher metastatic potential. Detection of expression of these sequences in colon cancer tissue can provide diagnostic, prognostic and/or treatment information associated with the prevention of achieving the malignant state in these tissues, and can be
 15 important in risk assessment for a patient. A patient sample displaying an increased level of one or more of these polynucleotides may thus warrant closer attention or more frequent screening procedures to catch the malignant state as early as possible.

The following table summarizes identified polynucleotides with differential expression between growth factor-treated and untreated HMEC.

20

Table 20

Differentially expressed polynucleotides:

Higher expression in untreated HMEC (lib 12) vs. bFGF treated HMEC (lib 13)

SEQ ID NO:	lib 12 clones	lib 13 clones	lib 12/lib 13
849	6	0	6
1059	6	0	6
1206	12	2	6
3208	12	0	12

Lower expression in untreated HMEC (lib 12) vs. bFGF treated HMEC (lib 13)

2748	3	12	4
3325	0	6	6

Table 21

Differentially expressed polynucleotides:

Higher expression in untreated HMEC (lib 12) VEGF treated HMEC (lib14)

SEQ ID NO:	lib 12 clones	lib 14 clones	lib 12/lib 14
1150	9	0	9

5

Lower expression in untreated HMEC (lib 12) vs. VEGF treated HMEC (lib14)

3324	22	50	2
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EXAMPLE 12

10 POLYNUCLEOTIDES DIFFERENTIALLY EXPRESSED IN NORMAL PROSTATE CELLS RELATIVE TO PROSTATE CANCER CELLS

A number of polynucleotide sequences have been identified that are differentially expressed between cells derived from normal prostate cells and prostate cancer cells. Expression of these sequences prostate tissue suspected of being cancerous can provide diagnostic, prognostic and/or treatment information. These polynucleotide sequences can also be used in combination with other known molecular and/or biochemical markers. The following table summarizes identified polynucleotides with differential expression between high metastatic potential colon cancer cells and low metastatic potential colon cancer cells:

20

Table 22

Differentially expressed polynucleotides: normal prostate cell line (lib 21)
vs. prostate cancer cell line (lib 22)

Higher in lib 21

SEQ ID NO:	lib 21 clones	lib 22 clones	lib 21/lib 22
53	17	2	8
1754	22	8	3
1801	7	0	7
1845	22	6	4
446	8	0	8
1410	6	0	6
2060	18	6	3
2143	12	3	4
2632	13	1	13
2899	16	2	8
3338	12	2	6

5

Higher in lib 22

86	2	13	7
93	0	9	9
687	0	9	9
1269	1	15	15
1581	25	74	3
1647	25	74	3
1649	12	27	2
1710	5	16	3
1717	5	16	3
1772	12	27	2
1960	0	6	6
2987	0	6	6
3128	13	42	3
3132	13	42	3
3150	263	962	4
3222	0	6	6
3268	0	6	6

EXAMPLE 13

POLYNUCLEOTIDES DIFFERENTIALLY EXPRESSED ACROSS MULTIPLE LIBRARIES

A number of polynucleotide sequences have been identified that are differentially expressed between cancerous cells and normal cells across two or more tissue types tested (*i.e.*, breast, colon, lung, and prostate). Expression of these sequences in a tissue of any origin can provide diagnostic, prognostic and/or treatment information associated with the prevention of achieving the malignant state in these tissues, and can be important in risk assessment for a patient. These polynucleotides can also serve as non-tissue specific markers of, for example, risk of metastasis of a tumor. The following polynucleotides were differentially expressed but without tissue type-specificity in at least two of the breast, colon, lung, and prostate libraries tested: 53, 105, 355, 412, 614, 836, 1442, 1581, 1647, 1649, 1664, 1772, 1782, 1811, 1845, 1856, 1875, 1923, 2060, 2071, 2135, 2146, 2239, 2313, 2378, 2393, 2416, 2460, 2490, 2632, 2674, 2704, 2724, 2749, 2784, 2804, 2959, 2976, 2977, 2980, 2987, 3009, 3047, 3128, 3129, 3132, 3146, 3150, 3156, 3210, 3324, 3331, and 3335.

Those skilled in the art will recognize, or be able to ascertain, using not more than routine experimentation, many equivalents to the specific embodiments of the invention described herein. Such specific embodiments and equivalents are intended to be encompassed by the following claims.

All publications and patent applications cited in this specification are herein incorporated by reference as if each individual publication or patent application were specifically and individually indicated to be incorporated by reference. The citation of any publication is for its disclosure prior to the filing date and should not be construed as an admission that the present invention is not entitled to antedate such publication by virtue of prior invention.

Although the foregoing invention has been described in some detail by way of illustration and example for purposes of clarity of understanding, it is readily apparent to those of ordinary skill in the art in light of the teachings of this invention that certain changes and modifications may be made thereto without departing from the spirit or scope of the appended claims.

Deposit Information:

The following materials were deposited with the American Type Culture Collection (ATCC); CMCC = Chiron Master Culture Collection:

cDNA Libraries Deposited with ATCC

Tube Number	Deposit Date	ATCC Accession No.	CMCC Accession No.
ES137	May 30, 2000		
ES138	May 30, 2000		
ES139	May 30, 2000		
ES140	May 30, 2000		
ES141	May 30, 2000		
ES142	May 30, 2000		
ES143	May 30, 2000		
ES144	May 30, 2000		
ES145	May 30, 2000		
ES146	May 30, 2000		
ES147	May 30, 2000		
ES148	May 30, 2000		
ES149	May 30, 2000		
ES150	May 30, 2000		
ES151	May 30, 2000		
ES152	May 30, 2000		
ES153	May 30, 2000		
ES154	May 30, 2000		
ES155	May 30, 2000		
ES156	May 30, 2000		
ES157	May 30, 2000		
ES158	May 30, 2000		
ES159	May 30, 2000		
ES160	May 30, 2000		
ES161	May 30, 2000		
ES162	May 30, 2000		
ES163	May 30, 2000		
ES164	May 30, 2000		
ES165	May 30, 2000		
ES166	May 30, 2000		
ES167	May 30, 2000		

Table 23 lists the clones for each deposit, designated as “tube” number.

- 5 This deposit is provided merely as convenience to those of skill in the art, and is not an admission that a deposit is required under 35 U.S.C. §112. The sequence of the polynucleotides contained within the deposited material, as well as the amino acid sequence of the polypeptides encoded thereby, are incorporated herein by reference and are

controlling in the event of any conflict with the written description of sequences herein. A license may be required to make, use, or sell the deposited material, and no such license is granted hereby.

Retrieval of Individual Clones from Deposit of Pooled Clones

- 5 Where the ATCC deposit is composed of a pool of cDNA clones, the deposit was prepared by first transfecting each of the clones into separate bacterial cells. The clones were then deposited as a pool of equal mixtures in the composite deposit. Particular clones can be obtained from the composite deposit using methods well known in the art. For example, a bacterial cell containing a particular clone can be identified by
- 10 isolating single colonies, and identifying colonies containing the specific clone through standard colony hybridization techniques, using an oligonucleotide probe or probes designed to specifically hybridize to a sequence of the clone insert (*e.g.*, a probe based upon unmasked sequence of the encoded polynucleotide having the indicated SEQ ID NO). The probe should be designed to have a T_m of approximately 80°C (assuming 2°C for each
- 15 A or T and 4°C for each G or C). Positive colonies can then be picked, grown in culture, and the recombinant clone isolated. Alternatively, probes designed in this manner can be used to PCR to isolate a nucleic acid molecule from the pooled clones according to methods well known in the art, *e.g.*, by purifying the cDNA from the deposited culture pool, and using the probes in PCR reactions to produce an amplified product having the
- 20 corresponding desired polynucleotide sequence.

Table 23

Clone Name	Tube
M00001351A:B02	ES 137
M00001356A:H11	ES 137
M00001363D:D09	ES 137
M00001395D:H02	ES 137
M00001439C:H06	ES 137
M00001476B:G10	ES 137
M00001582A:E02	ES 137
M00003750D:E06	ES 137
M00003761C:F02	ES 137
M00003770A:E05	ES 137
M00003786A:A11	ES 137
M00003800A:F09	ES 137
M00003816D:E11	ES 137
M00003902A:C03	ES 137

Clone Name	Tube
M00003991C:F06	ES 137
M00003995B:E03	ES 137
M00004046C:A08	ES 137
M00004105D:D05	ES 137
M00004139B:B10	ES 137
M00004140D:C03	ES 137
M00004144A:H05	ES 137
M00004152A:C12	ES 137
M00004155D:A10	ES 137
M00004168A:G11	ES 137
M00004197B:H10	ES 137
M00004222C:E03	ES 137
M00004234A:E07	ES 137
M00004239B:F11	ES 137

Clone Name	Tube
M00004241B:H07	ES 137
M00004264B:A05	ES 137
M00004278A:F09	ES 137
M00004282D:C11	ES 137
M00004308C:C06	ES 137
M00004340C:C07	ES 137
M00004354D:E05	ES 137
M00004361A:H02	ES 137
M00004372B:F07	ES 137
M00004378A:B10	ES 137
M00004393B:E07	ES 137
M00023282A:C02	ES 137
M00023300D:C11	ES 137
M00023316C:G08	ES 137
M00023333D:C12	ES 137
M00023352B:F03	ES 137
M00023352D:H03	ES 137
M00023376B:G04	ES 137
M00023377B:F01	ES 137
M00023398B:D12	ES 137
M00023399C:E10	ES 137
M00026803A:F08	ES 137
M00026843B:D10	ES 137
M00026850D:F09	ES 137
M00026851B:F01	ES 137
M00026856D:F02	ES 137
M00026857D:G12	ES 137
M00026859D:D01	ES 137
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M00026865B:A06	ES 137
M00026868C:E11	ES 137
M00026878A:F05	ES 137
M00026882D:G09	ES 137
M00026885A:H09	ES 137
M00026901A:G07	ES 137
M00026914A:H10	ES 137
M00026915B:C06	ES 137
M00026918B:D01	ES 137
M00026922C:B02	ES 137
M00026922C:G03	ES 137
M00026926A:E10	ES 137
M00026927D:F02	ES 137
M00026928D:A03	ES 137
M00026935C:B04	ES 137

Clone Name	Tube
M00026941D:A04	ES 137
M00026944B:E03	ES 137
M00026946A:F12	ES 137
M00026980A:D09	ES 137
M00027016A:B06	ES 137
M00027018A:C09	ES 137
M00027021A:G02	ES 137
M00027022D:G11	ES 137
M00027030C:H06	ES 137
M00027035D:C06	ES 137
M00027049B:F05	ES 137
M00027078A:B02	ES 137
M00027080A:B01	ES 137
M00027085C:E11	ES 137
M00027094A:B03	ES 137
M00027103B:A09	ES 137
M00027108C:B03	ES 137
M00027121D:C05	ES 137
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M00027136C:C09	ES 137
M00027141C:H03	ES 137
M00027159D:F03	ES 137
M00027162B:F05	ES 137
M00027178B:G09	ES 137
M00027179D:E06	ES 138
M00027181D:A05	ES 138
M00027195C:E04	ES 138
M00027198B:B08	ES 138
M00027200A:F02	ES 138
M00027207B:F07	ES 138
M00027212D:E03	ES 138
M00027228D:A01	ES 138
M00027232D:B08	ES 138
M00027233B:C01	ES 138
M00027236A:E04	ES 138
M00027237C:B08	ES 138
M00027248A:C02	ES 138
M00027256B:H09	ES 138
M00027258A:A07	ES 138
M00027263A:F10	ES 138
M00027292D:F10	ES 138
M00027297A:C04	ES 138
M00027299B:B12	ES 138
M00027301A:G05	ES 138

Clone Name	Tube
M00027301B:B08	ES 138
M00027314C:D09	ES 138
M00027319D:B11	ES 138
M00027324D:C05	ES 138
M00027347C:G07	ES 138
M00027355A:B07	ES 138
M00027359B:G05	ES 138
M00027366A:F11	ES 138
M00027379C:B07	ES 138
M00027392B:H02	ES 138
M00027396D:G08	ES 138
M00027398C:F07	ES 138
M00027438C:G07	ES 138
M00027462A:D07	ES 138
M00027462B:H07	ES 138
M00027468A:C09	ES 138
M00027475B:E10	ES 138
M00027476A:C09	ES 138
M00027486A:F06	ES 138
M00027520A:C05	ES 138
M00027525B:D06	ES 138
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M00027537C:B01	ES 138
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M00027596C:E06	ES 138
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M00027617B:C12	ES 138
M00027620D:F11	ES 138
M00027625A:H01	ES 138
M00027634A:D11	ES 138
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M00027647C:D03	ES 138
M00027652B:F11	ES 138
M00027668C:H12	ES 138
M00027729D:H06	ES 138
M00027733A:A02	ES 138
M00027741B:F09	ES 138
M00027743A:C03	ES 138
M00027801C:C11	ES 138
M00027813C:F01	ES 138

Clone Name	Tube
M00027818C:C07	ES 138
M00027836D:F12	ES 138
M00027837C:D09	ES 138
M00028120D:F12	ES 138
M00028066C:D07	ES 138
M00028184D:G10	ES 138
M00028185B:A06	ES 138
M00028196D:A03	ES 138
M00028201B:H12	ES 138
M00028207D:E09	ES 138
M00028210B:D02	ES 138
M00028212C:B08	ES 138
M00028215D:F03	ES 138
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M00028314D:F05	ES 138
M00028316B:H12	ES 138
M00028354A:B12	ES 138
M00028354D:A03	ES 138
M00028357A:G10	ES 138
M00028362A:G11	ES 138
M00028364C:G08	ES 138
M00028369D:E08	ES 138
M00028617C:A12	ES 138
M00028768C:D05	ES 138
M00028770A:D04	ES 138
M00028772C:B09	ES 138
M00028775D:F03	ES 138
M00028777B:G12	ES 138
M00031368A:E10	ES 138
M00031417C:G09	ES 138
M00031419D:C04	ES 138
M00031485D:G02	ES 138
M00032480B:E10	ES 139
M00032492A:C01	ES 139
M00032495B:D02	ES 139
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M00032508B:H03	ES 139
M00032510D:F12	ES 139
M00032510D:G06	ES 139
M00032513D:F01	ES 139
M00032530D:C02	ES 139
M00032535D:H01	ES 139
M00032539B:C11	ES 139
M00032540A:A09	ES 139

Clone Name	Tube
M00032541D:H08	ES 139
M00032545B:H09	ES 139
M00032545D:G05	ES 139
M00032550D:C02	ES 139
M00032551B:G05	ES 139
M00032577A:C04	ES 139
M00032578A:G06	ES 139
M00032584A:H08	ES 139
M00032592A:H11	ES 139
M00032597C:B01	ES 139
M00032638C:G08	ES 139
M00032638D:A06	ES 139
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M00032731C:C07	ES 139
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M00032739A:A06	ES 139
M00032744B:F10	ES 139
M00032766B:D12	ES 139
M00032766C:A04	ES 139
M00032790B:A07	ES 139
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M00032829B:E06	ES 139
M00032830D:G03	ES 139
M00032831C:G07	ES 139
M00032853D:G12	ES 139
M00032864B:B09	ES 139
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M00032876C:D06	ES 139
M00032907A:G04	ES 139
M00032909A:B06	ES 139
M00032917D:G09	ES 139
M00032918B:D08	ES 139
M00032918B:E06	ES 139
M00032918C:B10	ES 139

Clone Name	Tube
M00032921B:H08	ES 139
M00032933A:C10	ES 139
M00032939B:E07	ES 139
M00032940A:C02	ES 139
M00032942D:C12	ES 139
M00032944B:B02	ES 139
M00032984C:G05	ES 139
M00032990B:A11	ES 139
M00032994A:A08	ES 139
M00032995C:C05	ES 139
M00033007C:E01	ES 139
M00033019B:E10	ES 139
M00033033C:H01	ES 139
M00033034C:A06	ES 139
M00033034C:F02	ES 139
M00033037D:C11	ES 139
M00033074A:C08	ES 139
M00033130B:F06	ES 139
M00033140D:F06	ES 139
M00033173D:C01	ES 139
M00033176B:E12	ES 139
M00033186C:D11	ES 139
M00033189D:F08	ES 139
M00033202D:G06	ES 139
M00033204B:A07	ES 139
M00033205A:F03	ES 139
M00033217B:H07	ES 139
M00033218A:C04	ES 139
M00033223B:H07	ES 139
M00033226A:A11	ES 139
M00033231D:B09	ES 139
M00033231D:G10	ES 139
M00033243B:A05	ES 139
M00033246C:E08	ES 139
M00033248A:B02	ES 139
M00033261C:D12	ES 139
M00033262D:A11	ES 139
M00033263B:G04	ES 139
M00033276B:G08	ES 139
M00033185C:D01	ES 139
M00033288B:D12	ES 140
M00033300D:H12	ES 140
M00033306D:G08	ES 140
M00033306D:H09	ES 140

Clone Name	Tube
M00033308B:G05	ES 140
M00033343C:H08	ES 140
M00033345D:A09	ES 140
M00033346C:A05	ES 140
M00033347C:F02	ES 140
M00033349D:F05	ES 140
M00033358A:H12	ES 140
M00033362C:C05	ES 140
M00033375A:G04	ES 140
M00033376A:C12	ES 140
M00033377D:A05	ES 140
M00033410B:C09	ES 140
M00033424B:A04	ES 140
M00033424D:H12	ES 140
M00033425A:C10	ES 140
M00033427D:F01	ES 140
M00033432B:H10	ES 140
M00033437C:A07	ES 140
M00033437C:C03	ES 140
M00033442A:D06	ES 140
M00033446C:G08	ES 140
M00033446D:B02	ES 140
M00033450C:A02	ES 140
M00033451A:H01	ES 140
M00033454A:D09	ES 140
M00033457D:A05	ES 140
M00033560D:G07	ES 140
M00033561C:A02	ES 140
M00033566C:E08	ES 140
M00033570B:C08	ES 140
M00033570B:E06	ES 140
M00033570C:C10	ES 140
M00033578D:G02	ES 140
M00033581C:H10	ES 140
M00033581D:D08	ES 140
M00033583B:E06	ES 140
M00033583D:B05	ES 140
M00033584D:G11	ES 140
M00033585D:A02	ES 140
M00033588C:G04	ES 140
M00033594C:B03	ES 140
M00033595A:C11	ES 140
M00038259A:G08	ES 140
M00038259B:A02	ES 140

Clone Name	Tube
M00038259B:G08	ES 140
M00038259C:H09	ES 140
M00038272A:G01	ES 140
M00038272D:F11	ES 140
M00038279C:A11	ES 140
M00038284B:H04	ES 140
M00038303A:C03	ES 140
M00038303C:D02	ES 140
M00038303D:E07	ES 140
M00038315C:G11	ES 140
M00038325D:F12	ES 140
M00038326B:D04	ES 140
M00038327A:C11	ES 140
M00038327D:A05	ES 140
M00038328D:A03	ES 140
M00038329A:E08	ES 140
M00038387B:A07	ES 140
M00038614C:H11	ES 140
M00038615A:H12	ES 140
M00038616D:B12	ES 140
M00038618C:C08	ES 140
M00038619B:A03	ES 140
M00038620B:E09	ES 140
M00038631C:B10	ES 140
M00038631D:B02	ES 140
M00038632C:B09	ES 140
M00038633A:D07	ES 140
M00038633B:G02	ES 140
M00038635A:G09	ES 140
M00038635B:C08	ES 140
M00038638D:H03	ES 140
M00038639B:C03	ES 140
M00038639D:F07	ES 140
M00038661A:A07	ES 140
M00038662B:A12	ES 140
M00038663B:H06	ES 140
M00038663D:H10	ES 140
M00038664C:E04	ES 140
M00038991A:D01	ES 140
M00038994A:A10	ES 140
M00038995C:G08	ES 140
M00038995D:E05	ES 140
M00038999B:G11	ES 140
M00038999D:C11	ES 140

Clone Name	Tube
M00039002D:G11	ES 140
M00039004B:A06	ES 140
M00039004B:C11	ES 140
M00039005C:H01	ES 141
M00039006D:B01	ES 141
M00039011D:C10	ES 141
M00039013A:C09	ES 141
M00039013D:F02	ES 141
M00039014A:H10	ES 141
M00039014B:C04	ES 141
M00039015A:D07	ES 141
M00039015B:G10	ES 141
M00039015B:H09	ES 141
M00039015D:H04	ES 141
M00039016A:A02	ES 141
M00039016D:G06	ES 141
M00039024B:B10	ES 141
M00039025A:H09	ES 141
M00039026D:F05	ES 141
M00039028C:B11	ES 141
M00039030B:E02	ES 141
M00039036C:B05	ES 141
M00039039B:E03	ES 141
M00039039B:F09	ES 141
M00039042B:B02	ES 141
M00039043B:E01	ES 141
M00039049D:G07	ES 141
M00039050A:H10	ES 141
M00039052C:F07	ES 141
M00039058A:A04	ES 141
M00039058C:H02	ES 141
M00039059C:G08	ES 141
M00039061B:F08	ES 141
M00039063B:D08	ES 141
M00039064D:H09	ES 141
M00039066D:G08	ES 141
M00039068B:B04	ES 141
M00039068C:E06	ES 141
M00039070D:C02	ES 141
M00039072C:C03	ES 141
M00039072C:E02	ES 141
M00039079A:A05	ES 141
M00039080C:H06	ES 141
M00039081B:G06	ES 141

Clone Name	Tube
M00039082B:A05	ES 141
M00039084C:G07	ES 141
M00039084C:H03	ES 141
M00039084C:H04	ES 141
M00039084D:D07	ES 141
M00039096A:A05	ES 141
M00039096A:E07	ES 141
M00039097D:D06	ES 141
M00039099A:H08	ES 141
M00039104D:C09	ES 141
M00039105C:B08	ES 141
M00039107C:E04	ES 141
M00039108D:B06	ES 141
M00039112B:C05	ES 141
M00039118B:C05	ES 141
M00039118D:A06	ES 141
M00039120C:C09	ES 141
M00039120C:H03	ES 141
M00039123A:B10	ES 141
M00039124C:F03	ES 141
M00039124C:H02	ES 141
M00039124C:H08	ES 141
M00039126D:A08	ES 141
M00039127A:G11	ES 141
M00039127D:E10	ES 141
M00039129C:D04	ES 141
M00039133B:F08	ES 141
M00039135D:F05	ES 141
M00039135D:G02	ES 141
M00039135D:H02	ES 141
M00039139A:C09	ES 141
M00039139C:G12	ES 141
M00039140A:B08	ES 141
M00039140D:A04	ES 141
M00039140D:D09	ES 141
M00039141C:E01	ES 141
M00039142D:B11	ES 141
M00039144C:E06	ES 141
M00039147A:F10	ES 141
M00039156A:B11	ES 141
M00039158B:G12	ES 141
M00039166B:G06	ES 141
M00039167B:H09	ES 141
M00039168C:A04	ES 141

Clone Name	Tube
M00039169A:E12	ES 141
M00039170A:B10	ES 141
M00039170C:F05	ES 141
M00039171B:D11	ES 141
M00039177B:D03	ES 141
M00039179A:G09	ES 141
M00039180A:A07	ES 141
M00039196B:H06	ES 141
M00039196D:A07	ES 141
M00039200A:C10	ES 141
M00039211A:C12	ES 141
M00039212C:C12	ES 142
M00039213A:D01	ES 142
M00039213B:F05	ES 142
M00039218A:F03	ES 142
M00039221A:H03	ES 142
M00039224A:E12	ES 142
M00039228A:B05	ES 142
M00039230A:A10	ES 142
M00039230D:D09	ES 142
M00039230D:G12	ES 142
M00039233A:A03	ES 142
M00039238A:B12	ES 142
M00039238D:A08	ES 142
M00039241A:E11	ES 142
M00039249A:C12	ES 142
M00039249C:G11	ES 142
M00039255C:E12	ES 142
M00039257D:C03	ES 142
M00039258B:E06	ES 142
M00039258D:B08	ES 142
M00039260C:G03	ES 142
M00039263D:A12	ES 142
M00039266A:B02	ES 142
M00039266D:F12	ES 142
M00039266D:H04	ES 142
M00039273B:F02	ES 142
M00039273D:B02	ES 142
M00039274B:G07	ES 142
M00039276B:H09	ES 142
M00039277D:G10	ES 142
M00039279B:C11	ES 142
M00039279B:H02	ES 142
M00039279C:B08	ES 142

Clone Name	Tube
M00039281D:B04	ES 142
M00039284D:B12	ES 142
M00039286A:C06	ES 142
M00039287C:A06	ES 142
M00039288C:B11	ES 142
M00039293A:H04	ES 142
M00039293B:C11	ES 142
M00039295B:D03	ES 142
M00039297C:H08	ES 142
M00039298B:B06	ES 142
M00039298B:D03	ES 142
M00039298D:B04	ES 142
M00039299B:G12	ES 142
M00039300C:C09	ES 142
M00039300C:G04	ES 142
M00039301B:F06	ES 142
M00039303C:F11	ES 142
M00039304D:B09	ES 142
M00039308B:G08	ES 142
M00039310A:C07	ES 142
M00039313D:G04	ES 142
M00039316A:C01	ES 142
M00039318B:B09	ES 142
M00039319B:H12	ES 142
M00039319C:A04	ES 142
M00039322A:F04	ES 142
M00039328D:D07	ES 142
M00039329A:C01	ES 142
M00039329C:B10	ES 142
M00039333D:D09	ES 142
M00039334B:E03	ES 142
M00039335A:E08	ES 142
M00039339A:H07	ES 142
M00039339C:F03	ES 142
M00039340A:D05	ES 142
M00039340B:E07	ES 142
M00039340B:G08	ES 142
M00039341C:H11	ES 142
M00039341D:D07	ES 142
M00039343B:F12	ES 142
M00039344B:G07	ES 142
M00039345A:D09	ES 142
M00039345C:C12	ES 142
M00039381C:H08	ES 142

Clone Name	Tube
M00039381D:C02	ES 142
M00039384C:E02	ES 142
M00039384C:F08	ES 142
M00039385B:E09	ES 142
M00039391D:F08	ES 142
M00039396D:B04	ES 142
M00039397B:H09	ES 142
M00039398A:B10	ES 142
M00039401B:D02	ES 142
M00039402B:E03	ES 142
M00039403A:G12	ES 142
M00039404B:A05	ES 142
M00039407B:G02	ES 142
M00039411C:E07	ES 142
M00039412D:G06	ES 142
M00039414D:G03	ES 142
M00039415D:E01	ES 142
M00039417A:D03	ES 142
M00039417A:E12	ES 142
M00039417B:F01	ES 143
M00039417C:A01	ES 143
M00039417C:G01	ES 143
M00039418B:D08	ES 143
M00039420D:D03	ES 143
M00039422D:F04	ES 143
M00039425C:G01	ES 143
M00039425D:E12	ES 143
M00039428C:E01	ES 143
M00039430B:F12	ES 143
M00039431B:F04	ES 143
M00039432C:A01	ES 143
M00039444C:H02	ES 143
M00039452C:G09	ES 143
M00039454B:A11	ES 143
M00039455D:H04	ES 143
M00039456A:C08	ES 143
M00039458B:H11	ES 143
M00039461A:F04	ES 143
M00039465A:A08	ES 143
M00039472C:B08	ES 143
M00039475C:E10	ES 143
M00039476B:A02	ES 143
M00039477A:B03	ES 143
M00039477D:A10	ES 143

Clone Name	Tube
M00039611D:D11	ES 143
M00039612B:B10	ES 143
M00039612B:G05	ES 143
M00039616A:B10	ES 143
M00039616B:C01	ES 143
M00039619B:D02	ES 143
M00039631A:C10	ES 143
M00039633D:D05	ES 143
M00039636C:D11	ES 143
M00039637C:A10	ES 143
M00039652B:D05	ES 143
M00039655B:H09	ES 143
M00039655C:C07	ES 143
M00039655C:E08	ES 143
M00039660C:C10	ES 143
M00039663C:G09	ES 143
M00039664D:G07	ES 143
M00039672D:D10	ES 143
M00039673A:F09	ES 143
M00039675D:B03	ES 143
M00039675D:H05	ES 143
M00039677A:B08	ES 143
M00039681B:H09	ES 143
M00039682A:C08	ES 143
M00039682C:H11	ES 143
M00039684D:B08	ES 143
M00039685A:A08	ES 143
M00039686C:C05	ES 143
M00039686C:E06	ES 143
M00039688C:G06	ES 143
M00039689C:E08	ES 143
M00039696A:E05	ES 143
M00039697B:F11	ES 143
M00039700B:D02	ES 143
M00039702A:B12	ES 143
M00039702A:B02	ES 143
M00039705D:F02	ES 143
M00039707A:D02	ES 143
M00039710C:G03	ES 143
M00039720D:D02	ES 143
M00039727C:B09	ES 143
M00039729A:A10	ES 143
M00039771C:E11	ES 143
M00039773D:A09	ES 143

Clone Name	Tube
M00039773D:F11	ES 143
M00039774C:A03	ES 143
M00039774C:C09	ES 143
M00039775A:A09	ES 143
M00039777C:E05	ES 143
M00039778B:G03	ES 143
M00039778C:A04	ES 143
M00039781D:D10	ES 143
M00039782A:H10	ES 143
M00039785D:G05	ES 143
M00039788A:E03	ES 143
M00039788B:A06	ES 143
M00039788C:A01	ES 143
M00039790B:D03	ES 143
M00039792A:B04	ES 143
M00039793D:C05	ES 143
M00039794A:E04	ES 143
M00039795B:H10	ES 143
M00039795D:E10	ES 143
M00039795D:G06	ES 143
M00039797C:G05	ES 143
M00039798B:B02	ES 143
M00039799A:D10	ES 143
M00039801A:H11	ES 143
M00039807A:D01	ES 143
M00039808D:H02	ES 143
M00039810A:H10	ES 143
M00039813B:B01	ES 144
M00039813B:D11	ES 144
M00039815C:F09	ES 144
M00039816B:D04	ES 144
M00039816C:D05	ES 144
M00039820A:F11	ES 144
M00039820A:H11	ES 144
M00039820B:B06	ES 144
M00039827B:F07	ES 144
M00039828B:C05	ES 144
M00039832A:B12	ES 144
M00039835A:F07	ES 144
M00039838A:F05	ES 144
M00039839B:B01	ES 144
M00039839C:E05	ES 144
M00039847A:F06	ES 144
M00039851B:G11	ES 144

Clone Name	Tube
M00039851C:D12	ES 144
M00039854B:F09	ES 144
M00039855C:F01	ES 144
M00039857B:G10	ES 144
M00039859A:F06	ES 144
M00039859C:G10	ES 144
M00039864A:A07	ES 144
M00039866B:A08	ES 144
M00039869B:F06	ES 144
M00039875D:A10	ES 144
M00039876D:H09	ES 144
M00039877C:C03	ES 144
M00039879C:F05	ES 144
M00039879D:B11	ES 144
M00039880A:H11	ES 144
M00039884A:H11	ES 144
M00039885C:D01	ES 144
M00039887C:E07	ES 144
M00039887D:C04	ES 144
M00039888B:D03	ES 144
M00039890A:H05	ES 144
M00039894C:H07	ES 144
M00039896C:H01	ES 144
M00039897D:C10	ES 144
M00039898A:A08	ES 144
M00039898D:C06	ES 144
M00039903A:H07	ES 144
M00039903C:D01	ES 144
M00039903C:F03	ES 144
M00039909C:G05	ES 144
M00039909D:C02	ES 144
M00039910C:G10	ES 144
M00039914D:G12	ES 144
M00039915D:C11	ES 144
M00039927A:F04	ES 144
M00039928B:G05	ES 144
M00039936C:C05	ES 144
M00039938C:A08	ES 144
M00039938C:E11	ES 144
M00039940A:D07	ES 144
M00039940D:G08	ES 144
M00039973D:C08	ES 144
M00039973D:D12	ES 144
M00039975C:C11	ES 144

Clone Name	Tube
M00039976D:A12	ES 144
M00039978A:G03	ES 144
M00039981A:E08	ES 144
M00039982C:H04	ES 144
M00039983D:A06	ES 144
M00039984A:C02	ES 144
M00039984B:G12	ES 144
M00039984D:G12	ES 144
M00039987A:F09	ES 144
M00039987C:E12	ES 144
M00039987C:G08	ES 144
M00039988A:E06	ES 144
M00039990C:D10	ES 144
M00040004D:B03	ES 144
M00040005B:C11	ES 144
M00040005D:B07	ES 144
M00040007D:A06	ES 144
M00040009D:B07	ES 144
M00040010A:F10	ES 144
M00040014B:D01	ES 144
M00040014D:D10	ES 144
M00040014D:F03	ES 144
M00040015C:F08	ES 144
M00040016C:H12	ES 144
M00040017A:C06	ES 144
M00040017D:G03	ES 144
M00040019A:E01	ES 144
M00040021A:F09	ES 144
M00040022C:D06	ES 144
M00040026B:F06	ES 144
M00040029A:B03	ES 144
M00040029A:G04	ES 144
M00040031A:E06	ES 144
M00040032A:B03	ES 144
M00040032A:D09	ES 144
M00040037A:E11	ES 145
M00040038D:G04	ES 145
M00040039D:D06	ES 145
M00040040A:A06	ES 145
M00040041C:C09	ES 145
M00040042B:A10	ES 145
M00040047C:F05	ES 145
M00040052D:F12	ES 145
M00040055D:A06	ES 145

Clone Name	Tube
M00040055D:B01	ES 145
M00040060C:H10	ES 145
M00040062B:B05	ES 145
M00040070B:B07	ES 145
M00040071B:A10	ES 145
M00040072C:G09	ES 145
M00040076C:D06	ES 145
M00040077D:C11	ES 145
M00040080C:C06	ES 145
M00040081C:E01	ES 145
M00040085D:A10	ES 145
M00040085D:E04	ES 145
M00040087D:F08	ES 145
M00040088C:E10	ES 145
M00040089A:G08	ES 145
M00040089B:E04	ES 145
M00040089C:E06	ES 145
M00040090B:G09	ES 145
M00040092B:F05	ES 145
M00040093B:C02	ES 145
M00040093D:D03	ES 145
M00040097A:C12	ES 145
M00040098C:B01	ES 145
M00040098D:E04	ES 145
M00040098D:G12	ES 145
M00040100C:E05	ES 145
M00040100D:B06	ES 145
M00040103B:H10	ES 145
M00040105C:F11	ES 145
M00040106B:B09	ES 145
M00040107B:H07	ES 145
M00040111C:D05	ES 145
M00040115B:A04	ES 145
M00040115B:H12	ES 145
M00040118D:G10	ES 145
M00040121B:C05	ES 145
M00040122D:A02	ES 145
M00040123A:A09	ES 145
M00040124D:H01	ES 145
M00040129D:E10	ES 145
M00040302C:A04	ES 145
M00040304B:F06	ES 145
M00040305A:D11	ES 145
M00040305C:H06	ES 145

Clone Name	Tube
M00040307B:F01	ES 145
M00040307C:F10	ES 145
M00040309A:E11	ES 145
M00004825D:D05	ES 145
M00004832D:H02	ES 145
M00004839C:H02	ES 145
M00005018A:B05	ES 145
M00005297D:H08	ES 145
M00005308A:D06	ES 145
M00005351C:G05	ES 145
M00005352C:A02	ES 145
M00005358B:B06	ES 145
M00005359A:D04	ES 145
M00005379A:E04	ES 145
M00005382B:F08	ES 145
M00005384A:C11	ES 145
M00005402B:F08	ES 145
M00005445D:B01	ES 145
M00005449B:B10	ES 145
M00005449B:D01	ES 145
M00005457C:A03	ES 145
M00005458A:F11	ES 145
M00005498A:H06	ES 145
M00005531D:F06	ES 145
M00005539D:G01	ES 145
M00005555A:A10	ES 145
M00005556B:D02	ES 145
M00005601D:D08	ES 145
M00005614B:B01	ES 145
M00005623A:G02	ES 145
M00005623D:G12	ES 145
M00005625A:C02	ES 145
M00005673B:B12	ES 145
M00005778B:F09	ES 145
M00005805D:D12	ES 145
M00005820C:E04	ES 145
M00006581D:F08	ES 145
M00006599D:B02	ES 145
M00006657C:G05	ES 145
M00006680B:D02	ES 145
M00006712C:H09	ES 145
M00006809B:B09	ES 145
M00006861B:F09	ES 145
M00006866A:D07	ES 146

Clone Name	Tube
M00006886D:H02	ES 146
M00006893C:E07	ES 146
M00006897A:H02	ES 146
M00006928D:D07	ES 146
M00006935C:F06	ES 146
M00006968A:G08	ES 146
M00006977C:G04	ES 146
M00006977D:A03	ES 146
M00007012D:H08	ES 146
M00007013A:D09	ES 146
M00007026B:H09	ES 146
M00007108B:A02	ES 146
M00007112C:B10	ES 146
M00007116C:G02	ES 146
M00007124D:H10	ES 146
M00007136A:A03	ES 146
M00007149A:G02	ES 146
M00007157C:F11	ES 146
M00007165B:G11	ES 146
M00007194A:B09	ES 146
M00007929C:B08	ES 146
M00007941D:C09	ES 146
M00007943D:C09	ES 146
M00007972B:H12	ES 146
M00007976A:C10	ES 146
M00007992C:F06	ES 146
M00007994A:G02	ES 146
M00008006B:B03	ES 146
M00008026B:C11	ES 146
M00008045A:H02	ES 146
M00008053A:F10	ES 146
M00008063B:A06	ES 146
M00021665B:F12	ES 146
M00021671D:F12	ES 146
M00021852D:A05	ES 146
M00021866D:A03	ES 146
M00021908D:G12	ES 146
M00021919C:A10	ES 146
M00021923C:D11	ES 146
M00021955A:H02	ES 146
M00021964C:E10	ES 146
M00021972D:C11	ES 146
M00022005C:C06	ES 146
M00022015B:B07	ES 146

Clone Name	Tube
M00022054A:H03	ES 146
M00022084D:B01	ES 146
M00022099B:D06	ES 146
M00022105C:C12	ES 146
M00022127C:H03	ES 146
M00022135C:B05	ES 146
M00022138A:E05	ES 146
M00022175D:D12	ES 146
M00022178B:D06	ES 146
M00022181C:D01	ES 146
M00022183B:C02	ES 146
M00022184C:C11	ES 146
M00022233C:A12	ES 146
M00022234C:D06	ES 146
M00022247A:E02	ES 146
M00022257A:B09	ES 146
M00022262D:G03	ES 146
M00022264B:G10	ES 146
M00022363C:G12	ES 146
M00022365D:A03	ES 146
M00022373A:B05	ES 146
M00022373C:B07	ES 146
M00022391B:E01	ES 146
M00022391D:F10	ES 146
M00022416A:A07	ES 146
M00022421B:C11	ES 146
M00022433A:E02	ES 146
M00022434D:D06	ES 146
M00022440B:E01	ES 146
M00022444D:G01	ES 146
M00022467C:B12	ES 146
M00022489C:G04	ES 146
M00022492C:A02	ES 146
M00022495D:H08	ES 146
M00022496B:E12	ES 146
M00022499A:B02	ES 146
M00022533A:A08	ES 146
M00022579C:C11	ES 146
M00022597D:A06	ES 146
M00022602A:E09	ES 146
M00022615D:G05	ES 146
M00022634D:C08	ES 146
M00022640C:C12	ES 146
M00022641C:H05	ES 146

Clone Name	Tube
M00022646A:H10	ES 146
M00022662D:G11	ES 146
M00022667D:B02	ES 146
M00022668B:B12	ES 146
M00022670D:H11	ES 146
M00022671B:A08	ES 146
M00022684A:C02	ES 146
M00022731A:D02	ES 147
M00022739A:B03	ES 147
M00022747D:E03	ES 147
M00022767B:G11	ES 147
M00022785C:G06	ES 147
M00022793D:B01	ES 147
M00022795B:G06	ES 147
M00022797B:G08	ES 147
M00022817A:H02	ES 147
M00022821C:C09	ES 147
M00022823C:C01	ES 147
M00022830D:D01	ES 147
M00022834B:G11	ES 147
M00022854A:B03	ES 147
M00022856C:A07	ES 147
M00022860C:G04	ES 147
M00022885C:H05	ES 147
M00022895A:H08	ES 147
M00022910A:A06	ES 147
M00022925C:A08	ES 147
M00022928B:C01	ES 147
M00022930C:E02	ES 147
M00022938B:F07	ES 147
M00022968B:E02	ES 147
M00022976C:F04	ES 147
M00022979A:D05	ES 147
M00022986D:H09	ES 147
M00022997A:F06	ES 147
M00023001C:C08	ES 147
M00023003C:D07	ES 147
M00023007A:H04	ES 147
M00023007C:E10	ES 147
M00023020C:G08	ES 147
M00023024D:F12	ES 147
M00023032A:B05	ES 147
M00023039D:B05	ES 147
M00023042D:D02	ES 147

Clone Name	Tube
M00023044B:D02	ES 147
M00023094A:B11	ES 147
M00023100A:E12	ES 147
M00039181D:E05	ES 147
M00039184A:D03	ES 147
M00039184B:B09	ES 147
M00039361B:E01	ES 147
M00039363A:C09	ES 147
M00039366C:B07	ES 147
M00039367B:H02	ES 147
M00039371B:H06	ES 147
M00039372C:D12	ES 147
M00039374B:B07	ES 147
M00039374C:H12	ES 147
M00039374C:H02	ES 147
M00039376D:H07	ES 147
M00039377D:E12	ES 147
M00039378D:H07	ES 147
M00039379A:B03	ES 147
M00039380C:C09	ES 147
M00039482B:G02	ES 147
M00039493A:C04	ES 147
M00039496B:D08	ES 147
M00039496B:H09	ES 147
M00039497C:C06	ES 147
M00039499C:A04	ES 147
M00039500C:C04	ES 147
M00039505C:E03	ES 147
M00039508A:C12	ES 147
M00039508C:G01	ES 147
M00039510C:G02	ES 147
M00039512C:D06	ES 147
M00039515A:A06	ES 147
M00039515D:C11	ES 147
M00039517B:G12	ES 147
M00039521A:A02	ES 147
M00039521D:H03	ES 147
M00039528B:B12	ES 147
M00039529C:D07	ES 147
M00039530B:E02	ES 147
M00039533A:C12	ES 147
M00039533B:G08	ES 147
M00039533D:F04	ES 147
M00039535D:D10	ES 147

Clone Name	Tube
M00039536C:C10	ES 147
M00039536C:H11	ES 147
M00039561A:B07	ES 147
M00039561B:A09	ES 147
M00039562B:G02	ES 147
M00039564B:C01	ES 147
M00039570A:D10	ES 147
M00039570B:D10	ES 147
M00039584C:C01	ES 147
M00039584C:C11	ES 147
M00039587C:F12	ES 147
M00039590D:D02	ES 147
M00039591C:D06	ES 147
M00039595C:E05	ES 147
M00039597D:F04	ES 147
M00039600A:A11	ES 148
M00039604B:E05	ES 148
M00039604D:G03	ES 148
M00039606B:D08	ES 148
M00039607D:E08	ES 148
M00039608D:H01	ES 148
M00039609D:F07	ES 148
M00039624A:H09	ES 148
M00039624B:F12	ES 148
M00039625B:G08	ES 148
M00039626D:F04	ES 148
M00039629B:F01	ES 148
M00039629D:B04	ES 148
M00039630A:C08	ES 148
M00039630C:H04	ES 148
M00039641A:A05	ES 148
M00039641C:D07	ES 148
M00039642D:B12	ES 148
M00039642D:H09	ES 148
M00039643C:B04	ES 148
M00039645C:E01	ES 148
M00039647A:H11	ES 148
M00039736D:G08	ES 148
M00039740B:F10	ES 148
M00039752B:G08	ES 148
M00039755A:B08	ES 148
M00039756B:H06	ES 148
M00039760B:B08	ES 148
M00040131B:D11	ES 148

Clone Name	Tube
M00040131C:F03	ES 148
M00040131D:G08	ES 148
M00040133B:B03	ES 148
M00040136C:F08	ES 148
M00040138B:H03	ES 148
M00040141D:F05	ES 148
M00040143A:H05	ES 148
M00040145D:D03	ES 148
M00040147D:H11	ES 148
M00040160B:A10	ES 148
M00040162A:E01	ES 148
M00040169B:F08	ES 148
M00040173D:B05	ES 148
M00040174C:E10	ES 148
M00040174D:G03	ES 148
M00040181B:H09	ES 148
M00040181D:H10	ES 148
M00040182D:D06	ES 148
M00040183A:F07	ES 148
M00040184C:A11	ES 148
M00040191A:B09	ES 148
M00040221A:G11	ES 148
M00040222D:G02	ES 148
M00040223A:C05	ES 148
M00040226A:H10	ES 148
M00040230A:H02	ES 148
M00040231B:C08	ES 148
M00040232D:B07	ES 148
M00040233A:H02	ES 148
M00040233C:G05	ES 148
M00040252C:C06	ES 148
M00040253C:A05	ES 148
M00040254B:C10	ES 148
M00040256A:A06	ES 148
M00040257D:H10	ES 148
M00040260B:D02	ES 148
M00040260C:D04	ES 148
M00040261C:F01	ES 148
M00040262B:B06	ES 148
M00040264D:G05	ES 148
M00040265D:B07	ES 148
M00040265D:C08	ES 148
M00040267A:E06	ES 148
M00040267C:C04	ES 148

Clone Name	Tube
M00040271B:E12	ES 148
M00040271C:D08	ES 148
M00040273B:H12	ES 148
M00040274A:D07	ES 148
M00040274A:H11	ES 148
M00040280C:H05	ES 148
M00040281D:B01	ES 148
M00040282A:A03	ES 148
M00040286C:C02	ES 148
M00040287C:B09	ES 148
M00040287D:D07	ES 148
M00039746C:A08	ES 148
M00039746C:G09	ES 148
M00039746C:H05	ES 148
M00039746C:H06	ES 148
M00039746D:D11	ES 148
M00039748A:F11	ES 148
M00039748C:F11	ES 148
M00039749D:D05	ES 148
M00039761D:E10	ES 148
M00039762B:F07	ES 148
M00039764C:D07	ES 148
M00039766A:G07	ES 148
M00039766D:H01	ES 149
M00039767B:A04	ES 149
M00039767C:E12	ES 149
M00039770A:G11	ES 149
M00039770C:E04	ES 149
M00039942D:C01	ES 149
M00039943B:F10	ES 149
M00039945C:F09	ES 149
M00039946B:F08	ES 149
M00039947A:D06	ES 149
M00039947C:G03	ES 149
M00039948A:E03	ES 149
M00039948D:D11	ES 149
M00039951A:B07	ES 149
M00039951B:B12	ES 149
M00039951B:C03	ES 149
M00039955C:C04	ES 149
M00039957C:C09	ES 149
M00039957D:A12	ES 149
M00039958A:A08	ES 149
M00039958C:B09	ES 149

Clone Name	Tube
M00040201C:G11	ES 149
M00040202A:F05	ES 149
M00040203A:H06	ES 149
M00040203B:A05	ES 149
M00040203D:H11	ES 149
M00040206A:A07	ES 149
M00040207B:D08	ES 149
M00040208A:C03	ES 149
M00040208B:A07	ES 149
M00040208D:G09	ES 149
M00040217D:B07	ES 149
M00040218C:C02	ES 149
M00040219B:D02	ES 149
M00040219D:E08	ES 149
M00040291D:C05	ES 149
M00040293D:G04	ES 149
M00040294D:D12	ES 149
M00040296D:E09	ES 149
M00040298B:G02	ES 149
M00040299B:F10	ES 149
M00040313C:D05	ES 149
M00040313D:E04	ES 149
M00040314D:H05	ES 149
M00040317A:H03	ES 149
M00040317D:F02	ES 149
M00040318A:B02	ES 149
M00040318C:H11	ES 149
M00040320D:F02	ES 149
M00040323B:C12	ES 149
M00040323C:G11	ES 149
M00040326A:F04	ES 149
M00040327B:G06	ES 149
M00040332D:B05	ES 149
M00040333D:G05	ES 149
M00040334D:B02	ES 149
M00040334D:C07	ES 149
M00040342B:D12	ES 149
M00040345D:A09	ES 149
M00040346A:C11	ES 149
M00040347D:F09	ES 149
M00040349D:B09	ES 149
M00040351B:F02	ES 149
M00040351D:A11	ES 149
M00040364A:E05	ES 149

Clone Name	Tube
M00040366A:B01	ES 149
M00040368A:A12	ES 149
M00040368A:F01	ES 149
M00040368D:E09	ES 149
M00040371C:H05	ES 149
M00040375C:B06	ES 149
M00040376C:G02	ES 149
M00040377C:G07	ES 149
M00040383A:H02	ES 149
M00040383D:C04	ES 149
M00040385C:D02	ES 149
M00040386A:A02	ES 149
M00040387C:E07	ES 149
M00040387D:H05	ES 149
M00040390A:H02	ES 149
M00040390B:F02	ES 149
M00040391A:D10	ES 149
M00040392B:H01	ES 149
M00040392C:B12	ES 149
M00040394A:D04	ES 149
M00040395B:D11	ES 149
M00042534A:A05	ES 149
M00042538B:E06	ES 149
M00042543C:G04	ES 149
M00042558A:F03	ES 149
M00042560A:F12	ES 149
M00042565C:A08	ES 149
M00042566C:C05	ES 149
M00042567B:H10	ES 149
M00042693D:E04	ES 149
M00042696B:E05	ES 149
M00042697D:C07	ES 150
M00042698D:D10	ES 150
M00042698D:E01	ES 150
M00042702B:G02	ES 150
M00042704A:F09	ES 150
M00042711B:A11	ES 150
M00042717A:C07	ES 150
M00042737C:H04	ES 150
M00042740A:E09	ES 150
M00042742D:D05	ES 150
M00042887C:D07	ES 150
M00042895A:D10	ES 150
M00042895C:G01	ES 150

Clone Name	Tube
M00042902D:B08	ES 150
M00042904B:E07	ES 150
M00042905A:F11	ES 150
M00042905B:C03	ES 150
M00042905D:D02	ES 150
M00042347D:H11	ES 150
M00042348B:E05	ES 150
M00042349D:D07	ES 150
M00042431B:G08	ES 150
M00042431C:F01	ES 150
M00042431D:C10	ES 150
M00042432D:E02	ES 150
M00042435A:A11	ES 150
M00042436B:H09	ES 150
M00042437A:D04	ES 150
M00042439B:B03	ES 150
M00042439B:D03	ES 150
M00042440B:E09	ES 150
M00042463A:F09	ES 150
M00042470C:E05	ES 150
M00042511A:H04	ES 150
M00042515C:F08	ES 150
M00042751C:C12	ES 150
M00042752A:E11	ES 150
M00042756B:F11	ES 150
M00042756D:A10	ES 150
M00042759B:G11	ES 150
M00042760A:C12	ES 150
M00042765C:D04	ES 150
M00042767B:G10	ES 150
M00042769C:E09	ES 150
M00042770B:B12	ES 150
M00042770C:C04	ES 150
M00042771C:F06	ES 150
M00042774C:C05	ES 150
M00042781A:A07	ES 150
M00042784A:H06	ES 150
M00042788C:F11	ES 150
M00042790C:C07	ES 150
M00042792A:H01	ES 150
M00042797D:D10	ES 150
M00042799D:F08	ES 150
M00042800A:A03	ES 150
M00042802C:C04	ES 150

Clone Name	Tube
M00042806C:F07	ES 150
M00042807D:D05	ES 150
M00042823C:C02	ES 150
M00042830B:E02	ES 150
M00042839B:B11	ES 150
M00042841D:H07	ES 150
M00042849D:F11	ES 150
M00042852B:A03	ES 150
M00042852C:A01	ES 150
M00042856B:H02	ES 150
M00042352C:H03	ES 150
M00042352D:C01	ES 150
M00042352D:G09	ES 150
M00042448A:C09	ES 150
M00042448C:H12	ES 150
M00042453B:G09	ES 150
M00042518D:A06	ES 150
M00042518D:D04	ES 150
M00043296B:G09	ES 150
M00043304B:D05	ES 150
M00043304C:D02	ES 150
M00043305B:G02	ES 150
M00043306C:B03	ES 150
M00043306D:B07	ES 150
M00043310C:G06	ES 150
M00043311C:E03	ES 150
M00043312C:E08	ES 150
M00043320B:A07	ES 150
M00043324D:H11	ES 150
M00043328D:H02	ES 150
M00043332C:G04	ES 150
M00043334B:A10	ES 150
M00043338B:A03	ES 150
M00043338B:C11	ES 150
M00043339A:F11	ES 150
M00043340B:H08	ES 150
M00043344D:E04	ES 150
M00043345C:A06	ES 150
M00043346A:G01	ES 150
M00043350D:B11	ES 151
M00043351D:A11	ES 151
M00043352D:B05	ES 151
M00043352D:C03	ES 151
M00043359B:D10	ES 151

Clone Name	Tube
M00043359C:G01	ES 151
M00043361B:A01	ES 151
M00043366A:A02	ES 151
M00043366C:H05	ES 151
M00043367B:A08	ES 151
M00043368C:F09	ES 151
M00043370B:C08	ES 151
M00043372C:G05	ES 151
M00043377A:C03	ES 151
M00043378A:H10	ES 151
M00043379D:H02	ES 151
M00043383C:F12	ES 151
M00043383D:A02	ES 151
M00043384B:B02	ES 151
M00043386A:B08	ES 151
M00043389C:E03	ES 151
M00043389D:D07	ES 151
M00043391A:C10	ES 151
M00043391A:G08	ES 151
M00043392D:C11	ES 151
M00043393A:B08	ES 151
M00043401D:G08	ES 151
M00043402C:D08	ES 151
M00043405A:D11	ES 151
M00043405C:G12	ES 151
M00043405C:G02	ES 151
M00043406B:G12	ES 151
M00043407C:E05	ES 151
M00043408B:D11	ES 151
M00043409B:B03	ES 151
M00043410C:A09	ES 151
M00043411B:D08	ES 151
M00043411D:H06	ES 151
M00042584B:C10	ES 151
M00042623D:D07	ES 151
M00042625C:B04	ES 151
M00042626B:D08	ES 151
M00042627C:D01	ES 151
M00042630A:C05	ES 151
M00042955C:D05	ES 151
M00042956C:B06	ES 151
M00042960D:H08	ES 151
M00042962D:C05	ES 151
M00042964D:A03	ES 151

Clone Name	Tube
M00042966B:F07	ES 151
M00042966C:E06	ES 151
M00042970C:A04	ES 151
M00042970C:H10	ES 151
M00042976A:H04	ES 151
M00042979B:E02	ES 151
M00042981B:D11	ES 151
M00042983C:A11	ES 151
M00042983C:G06	ES 151
M00042986C:G12	ES 151
M00042988A:F06	ES 151
M00042997B:D06	ES 151
M00042998A:E03	ES 151
M00042998A:G04	ES 151
M00043001B:H10	ES 151
M00043001D:D03	ES 151
M00043002A:E05	ES 151
M00043003C:D08	ES 151
M00043011A:H12	ES 151
M00043015A:H10	ES 151
M00043022A:E12	ES 151
M00043026C:D07	ES 151
M00043028A:G05	ES 151
M00043029C:A06	ES 151
M00043032C:A10	ES 151
M00043034D:C01	ES 151
M00043036C:E05	ES 151
M00043036D:C09	ES 151
M00043040B:B07	ES 151
M00043044B:A12	ES 151
M00043044D:A09	ES 151
M00043045D:G12	ES 151
M00043046D:B11	ES 151
M00043060D:G12	ES 151
M00043066B:H11	ES 151
M00043067D:D10	ES 151
M00043125A:B11	ES 151
M00043125C:A11	ES 151
M00042611A:A06	ES 151
M00042611D:B12	ES 151
M00042612D:F06	ES 151
M00042614B:B05	ES 151
M00043073A:C12	ES 151
M00043078D:D04	ES 151

Clone Name	Tube
M00043081D:F05	ES 151
M00043087B:G07	ES 151
M00043093C:G11	ES 151
M00043095A:F09	ES 152
M00043096A:G04	ES 152
M00043108A:F06	ES 152
M00043109C:G01	ES 152
M00043131B:A09	ES 152
M00043133B:C11	ES 152
M00043138D:B11	ES 152
M00043143B:A10	ES 152
M00043148C:A09	ES 152
M00043154A:B07	ES 152
M00043162A:B08	ES 152
M00043162D:C12	ES 152
M00043164C:E12	ES 152
M00043165B:G01	ES 152
M00043173D:G03	ES 152
M00043184A:H08	ES 152
M00043187A:C04	ES 152
M00043191A:A07	ES 152
M00043192C:B12	ES 152
M00043200A:H09	ES 152
M00043200B:C08	ES 152
M00043202B:F01	ES 152
M00043203A:B09	ES 152
M00043210C:E05	ES 152
M00043211A:F01	ES 152
M00043213B:B12	ES 152
M00043215A:D02	ES 152
M00043220B:C04	ES 152
M00042591D:H03	ES 152
M00042592A:H10	ES 152
M00042593A:C02	ES 152
M00042593C:G06	ES 152
M00042595A:A11	ES 152
M00042595A:B01	ES 152
M00042596B:F06	ES 152
M00042596C:D07	ES 152
M00042597B:E12	ES 152
M00043416C:A02	ES 152
M00043417C:D05	ES 152
M00043418A:H10	ES 152
M00043419D:A10	ES 152

Clone Name	Tube
M00043428D:G08	ES 152
M00043430B:C02	ES 152
M00043431D:B08	ES 152
M00043433B:G09	ES 152
M00043433C:G07	ES 152
M00043437D:D04	ES 152
M00043440C:B07	ES 152
M00043446C:E12	ES 152
M00043447A:C07	ES 152
M00043449A:E12	ES 152
M00043450C:C06	ES 152
M00043453B:B09	ES 152
M00043458A:B12	ES 152
M00043461D:C02	ES 152
M00043461D:E06	ES 152
M00043465B:H02	ES 152
M00043465C:A03	ES 152
M00043465C:C09	ES 152
M00043476A:F07	ES 152
M00043483B:G10	ES 152
M00043491C:F04	ES 152
M00043492A:E01	ES 152
M00043513D:G08	ES 152
M00043516B:H09	ES 152
M00043518B:D06	ES 152
M00043526B:D10	ES 152
M00043527C:E09	ES 152
M00043528C:A02	ES 152
M00043616B:F02	ES 152
M00043616C:A05	ES 152
M00043632D:F09	ES 152
M00043634A:C10	ES 152
M00043635C:C11	ES 152
M00043636B:C06	ES 152
M00043637C:H01	ES 152
M00043638A:D06	ES 152
M00043640C:E03	ES 152
M00043648A:G07	ES 152
M00043649B:E07	ES 152
M00001338C:B02	ES 153
M00001338C:F05	ES 153
M00001338D:D01	ES 153
M00001340D:F07	ES 153
M00001344D:E08	ES 153

Clone Name	Tube
M00001346B:G11	ES 153
M00001348B:B03	ES 153
M00001349C:B04	ES 153
M00001351B:E11	ES 153
M00001352B:B02	ES 153
M00001353A:H07	ES 153
M00001353C:A05	ES 153
M00001353D:E05	ES 153
M00001356D:E06	ES 153
M00001358A:E08	ES 153
M00001359A:H10	ES 153
M00001361A:C12	ES 153
M00001361B:A12	ES 153
M00001362A:F09	ES 153
M00001364A:C09	ES 153
M00001364C:H10	ES 153
M00001368A:A08	ES 153
M00001368A:B07	ES 153
M00001368A:C02	ES 153
M00001369A:G06	ES 153
M00001374A:B02	ES 153
M00001374C:B10	ES 153
M00001375B:D04	ES 153
M00001378C:E10	ES 153
M00001379A:F09	ES 153
M00001382D:A07	ES 153
M00001382D:H08	ES 153
M00001384A:A07	ES 153
M00001385A:E07	ES 153
M00001386B:F11	ES 153
M00001387A:C12	ES 153
M00001387B:A11	ES 153
M00001389B:E10	ES 153
M00001389D:D06	ES 153
M00001390D:E02	ES 153
M00001391D:D03	ES 153
M00001393B:C03	ES 153
M00001393C:E08	ES 153
M00001393C:F04	ES 153
M00001393D:E02	ES 153
M00001396B:B01	ES 153
M00001396B:B12	ES 153
M00001396D:H02	ES 153
M00001397C:H08	ES 153

Clone Name	Tube
M00001399B:B01	ES 153
M00001399C:A01	ES 153
M00001403C:B03	ES 153
M00001403D:C12	ES 153
M00001406B:H09	ES 153
M00001406D:F06	ES 153
M00001410A:G10	ES 153
M00001416B:A05	ES 153
M00001421B:E07	ES 153
M00001422B:D06	ES 153
M00001424B:H06	ES 153
M00001424D:D02	ES 153
M00001426C:F06	ES 153
M00001428B:C10	ES 153
M00001429B:G05	ES 153
M00001430B:C01	ES 153
M00001433B:E02	ES 153
M00001442A:F08	ES 153
M00001442C:G12	ES 153
M00001444B:E04	ES 153
M00001444C:D11	ES 153
M00001445B:F06	ES 153
M00001449B:H10	ES 153
M00001451C:E10	ES 153
M00001460C:E10	ES 153
M00001461D:B10	ES 153
M00001461D:C10	ES 153
M00001465C:A02	ES 153
M00001466B:F03	ES 153
M00001467C:D04	ES 153
M00001477D:G09	ES 153
M00001485C:F06	ES 153
M00001488C:A03	ES 153
M00001497C:F10	ES 153
M00001503B:H10	ES 153
M00001506B:D11	ES 153
M00001512D:F08	ES 153
M00001518B:D10	ES 153
M00001528C:C03	ES 153
M00001532A:G08	ES 153
M00001533C:G11	ES 153
M00001533D:A01	ES 153
M00001534C:E07	ES 153
M00001535B:B10	ES 153

Clone Name	Tube
M00001535B:E02	ES 153
M00001537B:H10	ES 153
M00001538B:A07	ES 153
M00001539C:F12	ES 154
M00001542B:F09	ES 154
M00001543C:A08	ES 154
M00001544B:B05	ES 154
M00001544B:E06	ES 154
M00001546B:C11	ES 154
M00001548B:D06	ES 154
M00001550A:H06	ES 154
M00001550D:B11	ES 154
M00001551D:D01	ES 154
M00001551D:H09	ES 154
M00001554C:G10	ES 154
M00001558A:E06	ES 154
M00001559A:H09	ES 154
M00001561D:H04	ES 154
M00001562B:B02	ES 154
M00001562D:B07	ES 154
M00001565A:H05	ES 154
M00001568C:A03	ES 154
M00001570A:B07	ES 154
M00001591B:H05	ES 154
M00001596A:D02	ES 154
M00001600B:G01	ES 154
M00001605B:B05	ES 154
M00001606B:A10	ES 154
M00001606D:D06	ES 154
M00001607A:E04	ES 154
M00001607D:H09	ES 154
M00001609D:C11	ES 154
M00001616D:F03	ES 154
M00001617C:F10	ES 154
M00001618C:D01	ES 154
M00001619C:H09	ES 154
M00001620B:A03	ES 154
M00001623D:A10	ES 154
M00001623D:E12	ES 154
M00001624A:C01	ES 154
M00001625D:B04	ES 154
M00001626A:D07	ES 154
M00001632C:A10	ES 154
M00001633D:C11	ES 154

Clone Name	Tube
M00001637D:C12	ES 154
M00001648A:D10	ES 154
M00001661D:F06	ES 154
M00001663A:A12	ES 154
M00001671A:H10	ES 154
M00001671C:F03	ES 154
M00001675B:D06	ES 154
M00001677B:H08	ES 154
M00001680A:A01	ES 154
M00001683B:F11	ES 154
M00001684D:E04	ES 154
M00001686B:H01	ES 154
M00001686D:F06	ES 154
M00001688B:B11	ES 154
M00001692C:C04	ES 154
M00001771B:E06	ES 154
M00003746C:E11	ES 154
M00003749C:C08	ES 154
M00003753A:C11	ES 154
M00003758B:D07	ES 154
M00003758B:F06	ES 154
M00003760C:G10	ES 154
M00003761B:B02	ES 154
M00003763A:B02	ES 154
M00003763B:B10	ES 154
M00003764A:H09	ES 154
M00003764B:F11	ES 154
M00003764B:H11	ES 154
M00003764D:F07	ES 154
M00003768D:D08	ES 154
M00003770C:A10	ES 154
M00003771D:A03	ES 154
M00003773A:F10	ES 154
M00003780A:G01	ES 154
M00003782A:B02	ES 154
M00003785D:F07	ES 154
M00003787D:A10	ES 154
M00003808A:F11	ES 154
M00003808B:E07	ES 154
M00003812C:A03	ES 154
M00003814A:G05	ES 154
M00003819B:B01	ES 154
M00003820B:F11	ES 154
M00003821C:E12	ES 154

Clone Name	Tube
M00003822C:A09	ES 154
M00003822D:A02	ES 154
M00003823B:A06	ES 154
M00003825A:H10	ES 154
M00003828A:D11	ES 154
M00003830B:C06	ES 154
M00003830C:D02	ES 154
M00003837C:D10	ES 154
M00003839C:H10	ES 154
M00003842D:D11	ES 154
M00003842D:H09	ES 154
M00003845A:C07	ES 155
M00003845D:G03	ES 155
M00003847A:H04	ES 155
M00003848C:G09	ES 155
M00003851B:A01	ES 155
M00003854B:F07	ES 155
M00003855C:F02	ES 155
M00003884A:E12	ES 155
M00003887C:E09	ES 155
M00003888B:F09	ES 155
M00003891B:H02	ES 155
M00003898C:A01	ES 155
M00003900C:D12	ES 155
M00003906A:C02	ES 155
M00003911C:A09	ES 155
M00003914A:A08	ES 155
M00003915C:D10	ES 155
M00003915C:G08	ES 155
M00003916A:E04	ES 155
M00003926A:F11	ES 155
M00003935B:B01	ES 155
M00003938C:A05	ES 155
M00003942A:D01	ES 155
M00003958C:H08	ES 155
M00003959D:A05	ES 155
M00003960D:C12	ES 155
M00003963D:F01	ES 155
M00003965D:D11	ES 155
M00003968C:G03	ES 155
M00003970D:H07	ES 155
M00003972C:F07	ES 155
M00003974C:E11	ES 155
M00003974D:E02	ES 155

Clone Name	Tube
M00003979B:A04	ES 155
M00003980D:C06	ES 155
M00003985D:B02	ES 155
M00003988D:B01	ES 155
M00003991A:C11	ES 155
M00003993C:D07	ES 155
M00003993D:B03	ES 155
M00003994A:B10	ES 155
M00003996B:H07	ES 155
M00003998B:G10	ES 155
M00004028B:F10	ES 155
M00004029D:A01	ES 155
M00004031C:G06	ES 155
M00004036B:A11	ES 155
M00004036D:C12	ES 155
M00004038A:A04	ES 155
M00004042B:A11	ES 155
M00004047C:B09	ES 155
M00004047D:F12	ES 155
M00004053D:F09	ES 155
M00004054A:D03	ES 155
M00004055C:B10	ES 155
M00004055D:D05	ES 155
M00004057D:G01	ES 155
M00004061B:E05	ES 155
M00004062D:A02	ES 155
M00004066D:G10	ES 155
M00004067B:D03	ES 155
M00004080C:C04	ES 155
M00004085A:H01	ES 155
M00004085B:H02	ES 155
M00004087C:E02	ES 155
M00004093A:C03	ES 155
M00004096D:F02	ES 155
M00004102A:E03	ES 155
M00004103C:E10	ES 155
M00004104A:A12	ES 155
M00004110D:F09	ES 155
M00004114C:D11	ES 155
M00004115A:G12	ES 155
M00004118C:D12	ES 155
M00004122C:D01	ES 155
M00004134A:A08	ES 155
M00004136C:B12	ES 155

Clone Name	Tube
M00004139B:F01	ES 155
M00004141A:D01	ES 155
M00004141B:B01	ES 155
M00004141B:F08	ES 155
M00004143B:B04	ES 155
M00004144D:B02	ES 155
M00004146A:C11	ES 155
M00004146B:E08	ES 155
M00004146C:B04	ES 155
M00004147C:E01	ES 155
M00004151B:A07	ES 155
M00004155A:H03	ES 155
M00004155C:A10	ES 155
M00004158B:E03	ES 155
M00004158D:E08	ES 155
M00004159C:D10	ES 155
M00004159D:F12	ES 155
M00004160D:F06	ES 155
M00004160D:G05	ES 155
M00004162D:F02	ES 156
M00004163B:C03	ES 156
M00004163C:A03	ES 156
M00004164B:E12	ES 156
M00004165C:A11	ES 156
M00004166C:B10	ES 156
M00004169A:E04	ES 156
M00004170A:F03	ES 156
M00004171B:B03	ES 156
M00004172C:A08	ES 156
M00004172D:B12	ES 156
M00004172D:F04	ES 156
M00004175D:E06	ES 156
M00004176C:A09	ES 156
M00004179C:B06	ES 156
M00004179D:A12	ES 156
M00004187B:C02	ES 156
M00004189A:C12	ES 156
M00004192C:B06	ES 156
M00004195A:F07	ES 156
M00004200C:A04	ES 156
M00004201D:C01	ES 156
M00004201D:C03	ES 156
M00004204C:H08	ES 156
M00004207C:A04	ES 156

Clone Name	Tube
M00004208A:D08	ES 156
M00004210A:A03	ES 156
M00004212D:C03	ES 156
M00004214A:E05	ES 156
M00004214D:A05	ES 156
M00004215B:C05	ES 156
M00004220D:C11	ES 156
M00004225D:E03	ES 156
M00004229B:B06	ES 156
M00004230D:B05	ES 156
M00004237C:D10	ES 156
M00004242D:H01	ES 156
M00004245C:G10	ES 156
M00004246B:H07	ES 156
M00004251D:D03	ES 156
M00004263C:D03	ES 156
M00004266B:F07	ES 156
M00004269A:F11	ES 156
M00004269A:G11	ES 156
M00004269B:B04	ES 156
M00004270A:E09	ES 156
M00004276C:A08	ES 156
M00004277D:B02	ES 156
M00004278A:G06	ES 156
M00004278C:B10	ES 156
M00004281A:C04	ES 156
M00004282A:D01	ES 156
M00004282B:D07	ES 156
M00004282C:A12	ES 156
M00004284A:F08	ES 156
M00004295D:C07	ES 156
M00004296B:D03	ES 156
M00004303C:C05	ES 156
M00004310B:E02	ES 156
M00004316A:B03	ES 156
M00004320C:E07	ES 156
M00004321C:C11	ES 156
M00004322B:D03	ES 156
M00004324A:B03	ES 156
M00004324A:D10	ES 156
M00004324A:D05	ES 156
M00004328A:D01	ES 156
M00004330A:A01	ES 156
M00004336A:A01	ES 156

Clone Name	Tube
M00004341C:A09	ES 156
M00004341C:E05	ES 156
M00004344A:G11	ES 156
M00004344D:C12	ES 156
M00004347B:E04	ES 156
M00004347C:A05	ES 156
M00004350A:A04	ES 156
M00004351B:G07	ES 156
M00004352A:D08	ES 156
M00004357B:B06	ES 156
M00004358B:G02	ES 156
M00004359A:E01	ES 156
M00004360C:D09	ES 156
M00004365C:C09	ES 156
M00004365C:G11	ES 156
M00004366D:C11	ES 156
M00004368A:B11	ES 156
M00004372A:E12	ES 156
M00004376D:A12	ES 156
M00004385C:H12	ES 156
M00004393C:D06	ES 156
M00004406A:G09	ES 156
M00004416B:G10	ES 156
M00004418B:A11	ES 156
M00004419A:G02	ES 156
M00004420D:E05	ES 156
M00004430A:A05	ES 156
M00004430B:B10	ES 157
M00004443C:F07	ES 157
M00004462D:D12	ES 157
M00004502A:D12	ES 157
M00004507D:E03	ES 157
M00004509B:B10	ES 157
M00004509D:C06	ES 157
M00004603B:E02	ES 157
M00004603C:C10	ES 157
M00004606D:H09	ES 157
M00004608A:C10	ES 157
M00004608A:H04	ES 157
M00004609A:E09	ES 157
M00023389A:G04	ES 157
M00023394D:D10	ES 157
M00026809A:H08	ES 157
M00026818C:E01	ES 157

Clone Name	Tube
M00026836B:H03	ES 157
M00026842B:A01	ES 157
M00026842D:C02	ES 157
M00026850B:C09	ES 157
M00026856B:G03	ES 157
M00026900A:H07	ES 157
M00026907D:E07	ES 157
M00026910B:G06	ES 157
M00026914C:H09	ES 157
M00026936D:C07	ES 157
M00026961A:B06	ES 157
M00026994D:D07	ES 157
M00027004C:C11	ES 157
M00027017A:B09	ES 157
M00027036A:B06	ES 157
M00027050A:B02	ES 157
M00027052A:E10	ES 157
M00027057C:D10	ES 157
M00027064B:D06	ES 157
M00027081A:A08	ES 157
M00027093A:H02	ES 157
M00027131A:B03	ES 157
M00027159C:F07	ES 157
M00027167C:B10	ES 157
M00027168B:H08	ES 157
M00027170D:C07	ES 157
M00027173C:E11	ES 157
M00027177B:D04	ES 157
M00027178B:A11	ES 157
M00027182B:G06	ES 157
M00027189C:B10	ES 157
M00027193C:A07	ES 157
M00027215A:F06	ES 157
M00027215B:B12	ES 157
M00027244C:B06	ES 157
M00027247C:D02	ES 157
M00027262A:A07	ES 157
M00027270A:D04	ES 157
M00027274A:A09	ES 157
M00027290C:F06	ES 157
M00027291A:G08	ES 157
M00027311A:H09	ES 157
M00027313C:E01	ES 157
M00027314D:E02	ES 157

Clone Name	Tube
M00027316C:C03	ES 157
M00027319C:C03	ES 157
M00027319D:F07	ES 157
M00027332B:H09	ES 157
M00027359B:A06	ES 157
M00027363D:G04	ES 157
M00027364B:E12	ES 157
M00027376C:A02	ES 157
M00027381B:B04	ES 157
M00027400D:H02	ES 157
M00027433B:D12	ES 157
M00027457B:E11	ES 157
M00027459C:B10	ES 157
M00027467A:C07	ES 157
M00027475D:A01	ES 157
M00027480C:E09	ES 157
M00027485C:F07	ES 157
M00027506B:G01	ES 157
M00027513D:F06	ES 157
M00027523A:H05	ES 157
M00027527B:C05	ES 157
M00027549C:G03	ES 157
M00027569A:E05	ES 157
M00027586A:C09	ES 157
M00027589B:G07	ES 157
M00027591A:E04	ES 157
M00027600B:C07	ES 157
M00027605B:D09	ES 157
M00027688C:C01	ES 157
M00027717C:C06	ES 157
M00027724D:D04	ES 157
M00027734D:C03	ES 157
M00027746A:D06	ES 157
M00027801B:D07	ES 157
M00027806C:H05	ES 157
M00028055B:G07	ES 158
M00028063C:H01	ES 158
M00028067A:C11	ES 158
M00028069D:H02	ES 158
M00028070A:H09	ES 158
M00028070D:C03	ES 158
M00028188C:H11	ES 158
M00028193B:E07	ES 158
M00028196A:G03	ES 158

Clone Name	Tube
M00028210B:H03	ES 158
M00028211A:F10	ES 158
M00028212D:C05	ES 158
M00028219B:H05	ES 158
M00028361B:H08	ES 158
M00028366B:B08	ES 158
M00028616C:D09	ES 158
M00028620C:C07	ES 158
M00028763A:G11	ES 158
M00028764B:D03	ES 158
M00028771A:E02	ES 158
M00028773C:C05	ES 158
M00028774D:E10	ES 158
M00028777B:G04	ES 158
M00028782A:F01	ES 158
M00028784A:D12	ES 158
M00028786B:A04	ES 158
M00031370B:C01	ES 158
M00031416D:H05	ES 158
M00031484A:D03	ES 158
M00031485B:G05	ES 158
M00032471D:A05	ES 158
M00032473B:A03	ES 158
M00032474A:G03	ES 158
M00032475A:A06	ES 158
M00032489B:G12	ES 158
M00032490D:E08	ES 158
M00032494C:H08	ES 158
M00032497D:B10	ES 158
M00032504B:B10	ES 158
M00032507D:G08	ES 158
M00032508A:E03	ES 158
M00032515A:B12	ES 158
M00032517C:E10	ES 158
M00032519D:F08	ES 158
M00032534B:E12	ES 158
M00032541C:G03	ES 158
M00032553A:A07	ES 158
M00032556D:A03	ES 158
M00032562C:F01	ES 158
M00032567B:G05	ES 158
M00032568B:F08	ES 158
M00032577D:F01	ES 158
M00032580D:A09	ES 158

Clone Name	Tube
M00032581B:A09	ES 158
M00032584A:D06	ES 158
M00032586C:B04	ES 158
M00032590B:H01	ES 158
M00032594C:F05	ES 158
M00032597A:H02	ES 158
M00032605B:D09	ES 158
M00032613A:E11	ES 158
M00032614C:B10	ES 158
M00032614D:D08	ES 158
M00032620B:F06	ES 158
M00032621A:F11	ES 158
M00032628C:B06	ES 158
M00032634B:D09	ES 158
M00032637A:F09	ES 158
M00032638B:F02	ES 158
M00032644C:B05	ES 158
M00032645D:C01	ES 158
M00032647B:F06	ES 158
M00032652C:C07	ES 158
M00032666A:C02	ES 158
M00032671B:D06	ES 158
M00032671B:D08	ES 158
M00032676C:C10	ES 158
M00032688C:A03	ES 158
M00032700A:E09	ES 158
M00032707D:F08	ES 158
M00032711B:F01	ES 158
M00032723D:H02	ES 158
M00032727A:E04	ES 158
M00032728D:F01	ES 158
M00032729A:F10	ES 158
M00032733B:F12	ES 158
M00032734B:E12	ES 158
M00032734C:C05	ES 158
M00032749D:G03	ES 158
M00032753A:C07	ES 158
M00032759A:A03	ES 158
M00032765A:C05	ES 158
M00032770C:G11	ES 158
M00032772D:D03	ES 158
M00032773D:F08	ES 158
M00032774C:C04	ES 158
M00032787D:C05	ES 159

Clone Name	Tube
M00032791B:H11	ES 159
M00032791D:F01	ES 159
M00032792C:B01	ES 159
M00032793A:G06	ES 159
M00032795C:A03	ES 159
M00032797D:D08	ES 159
M00032825B:F08	ES 159
M00032826C:D10	ES 159
M00032828A:A06	ES 159
M00032829D:A05	ES 159
M00032830D:D02	ES 159
M00032831A:C07	ES 159
M00032831A:E09	ES 159
M00032835D:G04	ES 159
M00032836B:A07	ES 159
M00032848D:B10	ES 159
M00032892C:C12	ES 159
M00032908A:D08	ES 159
M00032918D:B04	ES 159
M00032928C:D02	ES 159
M00032944A:B07	ES 159
M00032945D:B07	ES 159
M00032979D:C11	ES 159
M00032979D:H07	ES 159
M00032985D:G09	ES 159
M00032987B:F01	ES 159
M00032988B:G01	ES 159
M00033006A:F10	ES 159
M00033028C:A02	ES 159
M00033028D:C10	ES 159
M00033037B:F04	ES 159
M00033041A:B11	ES 159
M00033055D:D02	ES 159
M00033071C:G05	ES 159
M00033071D:E08	ES 159
M00033072A:A09	ES 159
M00033080C:A07	ES 159
M00033081D:D11	ES 159
M00033144A:D02	ES 159
M00033146D:A03	ES 159
M00033147C:B08	ES 159
M00033149B:E10	ES 159
M00033150B:E02	ES 159
M00033150C:A11	ES 159

Clone Name	Tube
M00033183B:F10	ES 159
M00033218C:F07	ES 159
M00033223C:G04	ES 159
M00033230C:G10	ES 159
M00033232B:C08	ES 159
M00033246A:H12	ES 159
M00033248D:H11	ES 159
M00033264B:E06	ES 159
M00033274D:F03	ES 159
M00033311B:G10	ES 159
M00033324B:F04	ES 159
M00033326B:B05	ES 159
M00033329C:C02	ES 159
M00033296C:C11	ES 159
M00033302A:E11	ES 159
M00033302B:F10	ES 159
M00033303C:F09	ES 159
M00033342B:F03	ES 159
M00033344A:B06	ES 159
M00033359C:H05	ES 159
M00033360C:A03	ES 159
M00033374D:C07	ES 159
M00033413A:A08	ES 159
M00033420B:E08	ES 159
M00033434D:F05	ES 159
M00033441A:B12	ES 159
M00033445D:G03	ES 159
M00038290A:D12	ES 159
M00038304B:E02	ES 159
M00038389D:D10	ES 159
M00038390B:F02	ES 159
M00038616C:C09	ES 159
M00038616D:B07	ES 159
M00038618D:D08	ES 159
M00038619B:F09	ES 159
M00038619D:C12	ES 159
M00039001A:B10	ES 159
M00039024D:E12	ES 159
M00039055C:A01	ES 159
M00039056B:G01	ES 159
M00039063C:H09	ES 159
M00039067A:C05	ES 159
M00039067B:F07	ES 159
M00039076D:G04	ES 159

Clone Name	Tube
M00039078B:B03	ES 159
M00039078D:C10	ES 159
M00039081B:C04	ES 159
M00039081B:G07	ES 159
M00039100A:G04	ES 159
M00039105D:A08	ES 159
M00039107A:E12	ES 159
M00039111A:C12	ES 160
M00039121D:E07	ES 160
M00039124D:H01	ES 160
M00039125D:H12	ES 160
M00039131C:B09	ES 160
M00039133B:D06	ES 160
M00039133C:F12	ES 160
M00039134D:F08	ES 160
M00039138B:G05	ES 160
M00039140A:F05	ES 160
M00039143A:F04	ES 160
M00039143D:C10	ES 160
M00039146B:G04	ES 160
M00039162D:C04	ES 160
M00039165D:C04	ES 160
M00039175A:F01	ES 160
M00039204A:E09	ES 160
M00039207A:F07	ES 160
M00039219B:C08	ES 160
M00039222B:A04	ES 160
M00039225A:D11	ES 160
M00039246B:A08	ES 160
M00039248C:A08	ES 160
M00039251C:H12	ES 160
M00039251D:B08	ES 160
M00039255D:B01	ES 160
M00039258C:C01	ES 160
M00039270D:D02	ES 160
M00039275B:E02	ES 160
M00039278C:D03	ES 160
M00039284D:H07	ES 160
M00039285B:G04	ES 160
M00039291D:F02	ES 160
M00039294C:B09	ES 160
M00039302B:E10	ES 160
M00039326A:G07	ES 160
M00039326C:B08	ES 160

Clone Name	Tube
M00039331B:F09	ES 160
M00039338B:F07	ES 160
M00039344C:A11	ES 160
M00039349D:B11	ES 160
M00039381C:C07	ES 160
M00039383A:H07	ES 160
M00039411D:D09	ES 160
M00039413C:E06	ES 160
M00039430A:E04	ES 160
M00039433B:D06	ES 160
M00039433C:E03	ES 160
M00039438B:D08	ES 160
M00039440C:G06	ES 160
M00039457D:C02	ES 160
M00039471D:G10	ES 160
M00039472B:E05	ES 160
M00039478C:B02	ES 160
M00039554D:B09	ES 160
M00039556C:G05	ES 160
M00039559B:C07	ES 160
M00039560B:G09	ES 160
M00039560C:G06	ES 160
M00039617C:A10	ES 160
M00039654C:C11	ES 160
M00039668C:F01	ES 160
M00039672C:D05	ES 160
M00039686C:C01	ES 160
M00039694C:H01	ES 160
M00039698C:B03	ES 160
M00039710B:A01	ES 160
M00039710B:E01	ES 160
M00039785C:H12	ES 160
M00039786D:A10	ES 160
M00039805B:B06	ES 160
M00039806B:D05	ES 160
M00039820B:F06	ES 160
M00039822A:H02	ES 160
M00039826B:F09	ES 160
M00039826D:E04	ES 160
M00039828B:H06	ES 160
M00039829B:E01	ES 160
M00039860B:E01	ES 160
M00039860D:B02	ES 160
M00039861C:B12	ES 160

Clone Name	Tube
M00039865A:C09	ES 160
M00039869A:H01	ES 160
M00039871C:G05	ES 160
M00039873B:H04	ES 160
M00039874A:B06	ES 160
M00039885C:D11	ES 160
M00039894C:D09	ES 160
M00039895D:C04	ES 160
M00039900B:G04	ES 160
M00039915B:E08	ES 160
M00039921A:B10	ES 160
M00004824A:D12	ES 160
M00004824D:H05	ES 160
M00004831C:G11	ES 160
M00004832D:G04	ES 160
M00004836B:C02	ES 161
M00004839B:C12	ES 161
M00004843A:G12	ES 161
M00004846A:A10	ES 161
M00004850A:B02	ES 161
M00004852D:C06	ES 161
M00004856D:F09	ES 161
M00004873B:G04	ES 161
M00004876B:A06	ES 161
M00005002A:C03	ES 161
M00005003D:C02	ES 161
M00005013D:H05	ES 161
M00005014B:F02	ES 161
M00005016C:E04	ES 161
M00005309B:A11	ES 161
M00005314A:G10	ES 161
M00005332A:C06	ES 161
M00005333D:D08	ES 161
M00005346D:A03	ES 161
M00005349C:C02	ES 161
M00005359B:B08	ES 161
M00005359B:D09	ES 161
M00005364B:E10	ES 161
M00005365A:F05	ES 161
M00005366D:F08	ES 161
M00005367D:A11	ES 161
M00005375D:A10	ES 161
M00005379A:D10	ES 161
M00005380B:H10	ES 161

Clone Name	Tube
M00005383A:C11	ES 161
M00005385A:B12	ES 161
M00005385D:F07	ES 161
M00005387A:B03	ES 161
M00005392A:G06	ES 161
M00005401D:F09	ES 161
M00005403C:A01	ES 161
M00005405C:D01	ES 161
M00005409D:B02	ES 161
M00005413D:A05	ES 161
M00005422B:B08	ES 161
M00005422D:H02	ES 161
M00005422D:H10	ES 161
M00005423A:C11	ES 161
M00005423C:A10	ES 161
M00005423C:D07	ES 161
M00005434A:C03	ES 161
M00005442A:B10	ES 161
M00005445A:E07	ES 161
M00005445D:D04	ES 161
M00005445D:F11	ES 161
M00005452B:G03	ES 161
M00005452D:E05	ES 161
M00005460D:C11	ES 161
M00005461A:D12	ES 161
M00005463A:G02	ES 161
M00005466C:B01	ES 161
M00005468A:C04	ES 161
M00005468D:C01	ES 161
M00005474C:H09	ES 161
M00005485C:H04	ES 161
M00005489B:C08	ES 161
M00005500A:D04	ES 161
M00005504C:F12	ES 161
M00005504D:F06	ES 161
M00005505A:F01	ES 161
M00005505B:E01	ES 161
M00005506C:E09	ES 161
M00005506D:E11	ES 161
M00005507B:A03	ES 161
M00005511A:F05	ES 161
M00005512B:H01	ES 161
M00005515D:F02	ES 161
M00005520B:E01	ES 161

Clone Name	Tube
M00005520B:H05	ES 161
M00005524C:H04	ES 161
M00005535B:B01	ES 161
M00005540A:F09	ES 161
M00005557D:H10	ES 161
M00005569D:G09	ES 161
M00005570A:B08	ES 161
M00005570A:D05	ES 161
M00005603B:H03	ES 161
M00005606D:B12	ES 161
M00005607B:C04	ES 161
M00005616B:F07	ES 161
M00005622A:H02	ES 161
M00005623B:G01	ES 161
M00005626D:G11	ES 161
M00005634A:F07	ES 161
M00005641B:E09	ES 161
M00005643D:A05	ES 161
M00005674C:F04	ES 161
M00005675D:D09	ES 161
M00005689C:B02	ES 161
M00005703B:E03	ES 161
M00005703D:G10	ES 161
M00005710B:H03	ES 162
M00005743D:A12	ES 162
M00005763D:A01	ES 162
M00005766D:D12	ES 162
M00005771D:C02	ES 162
M00005819D:F09	ES 162
M00005822C:A04	ES 162
M00006576D:C02	ES 162
M00006577A:H10	ES 162
M00006582D:A09	ES 162
M00006585A:D07	ES 162
M00006585A:F09	ES 162
M00006586D:D04	ES 162
M00006592A:A12	ES 162
M00006595B:C10	ES 162
M00006601D:G05	ES 162
M00006631C:A04	ES 162
M00006631D:D02	ES 162
M00006636B:E04	ES 162
M00006641B:F05	ES 162
M00006646A:A07	ES 162

Clone Name	Tube
M00006678A:A03	ES 162
M00006678C:C02	ES 162
M00006712C:H01	ES 162
M00006714C:D06	ES 162
M00006738A:F12	ES 162
M00006739B:A04	ES 162
M00006740B:A09	ES 162
M00006743A:D04	ES 162
M00006743A:H11	ES 162
M00006756B:G06	ES 162
M00006756C:A02	ES 162
M00006861D:H10	ES 162
M00006872D:B07	ES 162
M00006877B:C09	ES 162
M00006877C:F11	ES 162
M00006884D:A08	ES 162
M00006885A:F07	ES 162
M00006890C:F10	ES 162
M00006904D:A02	ES 162
M00006907A:C09	ES 162
M00006907B:C06	ES 162
M00006989B:G05	ES 162
M00006994C:F06	ES 162
M00007002C:A10	ES 162
M00007006C:C12	ES 162
M00007007A:E04	ES 162
M00007031A:E02	ES 162
M00007032A:B05	ES 162
M00007032C:A12	ES 162
M00007046D:C09	ES 162
M00007048B:E11	ES 162
M00007048C:A12	ES 162
M00007059B:D07	ES 162
M00007060D:G07	ES 162
M00007064D:D12	ES 162
M00007070C:C01	ES 162
M00007081B:C08	ES 162
M00007081B:E09	ES 162
M00007082D:E05	ES 162
M00007098A:E10	ES 162
M00007103C:C12	ES 162
M00007103D:C02	ES 162
M00007112D:D03	ES 162
M00007117A:C11	ES 162

Clone Name	Tube
M00007126A:A02	ES 162
M00007141C:B05	ES 162
M00007154A:E06	ES 162
M00007155C:D07	ES 162
M00007155D:C09	ES 162
M00007158D:D03	ES 162
M00007178A:C02	ES 162
M00007195C:E11	ES 162
M00007197B:B05	ES 162
M00007202B:F01	ES 162
M00007947A:B06	ES 162
M00007953D:F07	ES 162
M00007969D:C01	ES 162
M00007973B:D11	ES 162
M00007975C:A10	ES 162
M00007975D:F12	ES 162
M00007980A:B01	ES 162
M00007980B:A07	ES 162
M00007981C:F07	ES 162
M00007985C:D08	ES 162
M00008001B:F05	ES 162
M00008007B:E03	ES 162
M00008016B:E09	ES 162
M00008019B:A01	ES 162
M00008020D:D05	ES 162
M00008020D:F02	ES 162
M00008021C:G12	ES 162
M00008045C:A05	ES 162
M00008055D:G03	ES 162
M00008059B:F08	ES 162
M00008059D:B08	ES 162
M00008065D:A07	ES 163
M00008071D:H03	ES 163
M00008073A:D01	ES 163
M00008073D:D01	ES 163
M00021649B:A02	ES 163
M00021650D:A11	ES 163
M00021653A:B02	ES 163
M00021668D:A03	ES 163
M00021676C:G03	ES 163
M00021677A:D09	ES 163
M00021678A:H03	ES 163
M00021678D:H04	ES 163
M00021681C:C09	ES 163

Clone Name	Tube
M00021690A:C03	ES 163
M00021697C:B07	ES 163
M00021700D:H03	ES 163
M00021852C:H02	ES 163
M00021855D:F10	ES 163
M00021866C:H08	ES 163
M00021896D:A05	ES 163
M00021923A:B12	ES 163
M00021923D:H02	ES 163
M00021933B:F02	ES 163
M00021941A:D09	ES 163
M00021952B:G06	ES 163
M00021958B:E08	ES 163
M00021967D:H06	ES 163
M00021971C:B11	ES 163
M00021974D:F01	ES 163
M00021981A:C02	ES 163
M00021991D:F09	ES 163
M00021998B:D09	ES 163
M00022009C:A08	ES 163
M00022016B:F01	ES 163
M00022032A:G05	ES 163
M00022051B:D07	ES 163
M00022069D:C12	ES 163
M00022070B:B04	ES 163
M00022073C:C07	ES 163
M00022081A:B07	ES 163
M00022088B:F10	ES 163
M00022088B:H02	ES 163
M00022088D:E10	ES 163
M00022090B:A10	ES 163
M00022092D:A11	ES 163
M00022094B:G02	ES 163
M00022096D:A03	ES 163
M00022103C:D05	ES 163
M00022104A:G08	ES 163
M00022117C:A02	ES 163
M00022118A:E06	ES 163
M00022140D:A07	ES 163
M00022144C:E12	ES 163
M00022158B:B09	ES 163
M00022170C:C01	ES 163
M00022171A:F03	ES 163
M00022185A:B03	ES 163

Clone Name	Tube
M00022193B:A09	ES 163
M00022193C:C09	ES 163
M00022200B:B05	ES 163
M00022202C:C04	ES 163
M00022208B:D03	ES 163
M00022208C:E04	ES 163
M00022208C:F08	ES 163
M00022212D:G02	ES 163
M00022216D:D10	ES 163
M00022218B:B12	ES 163
M00022220A:A07	ES 163
M00022224A:C07	ES 163
M00022224A:G07	ES 163
M00022228B:B11	ES 163
M00022229D:E01	ES 163
M00022237C:E04	ES 163
M00022237D:D06	ES 163
M00022238C:G04	ES 163
M00022240B:C12	ES 163
M00022240D:B11	ES 163
M00022249D:C01	ES 163
M00022250A:B04	ES 163
M00022262A:F06	ES 163
M00022262B:B06	ES 163
M00022264A:B02	ES 163
M00022265A:F11	ES 163
M00022269C:A04	ES 163
M00022273A:E03	ES 163
M00022282B:C09	ES 163
M00022305A:B04	ES 163
M00022363C:D05	ES 163
M00022367D:G11	ES 163
M00022368A:B11	ES 163
M00022372D:H12	ES 163
M00022374C:E11	ES 163
M00022376D:D05	ES 163
M00022383C:A12	ES 163
M00022386D:F10	ES 163
M00022392B:F01	ES 163
M00022403C:E12	ES 164
M00022415C:D12	ES 164
M00022416D:D01	ES 164
M00022421A:F12	ES 164
M00022425A:C09	ES 164

Clone Name	Tube
M00022430C:C06	ES 164
M00022435B:G12	ES 164
M00022436C:F11	ES 164
M00022438C:H09	ES 164
M00022442B:G03	ES 164
M00022446C:H06	ES 164
M00022449D:F08	ES 164
M00022452B:E06	ES 164
M00022454C:B08	ES 164
M00022457A:G05	ES 164
M00022467D:B03	ES 164
M00022470D:B02	ES 164
M00022472D:B01	ES 164
M00022474B:C08	ES 164
M00022475D:C07	ES 164
M00022481B:A04	ES 164
M00022485B:E07	ES 164
M00022487B:A08	ES 164
M00022487C:C02	ES 164
M00022491A:A08	ES 164
M00022491D:A10	ES 164
M00022494B:D06	ES 164
M00022494D:A05	ES 164
M00022499D:D08	ES 164
M00022507C:C08	ES 164
M00022509A:H02	ES 164
M00022509B:D11	ES 164
M00022512B:A09	ES 164
M00022516B:C05	ES 164
M00022525B:D09	ES 164
M00022530B:C04	ES 164
M00022537B:C06	ES 164
M00022546B:E05	ES 164
M00022559D:G10	ES 164
M00022563B:C08	ES 164
M00022590B:E05	ES 164
M00022600D:B05	ES 164
M00022601B:G06	ES 164
M00022618B:D09	ES 164
M00022618C:E04	ES 164
M00022627B:H03	ES 164
M00022634A:C07	ES 164
M00022634B:H09	ES 164
M00022638A:D03	ES 164

Clone Name	Tube
M00022642A:G08	ES 164
M00022648A:D08	ES 164
M00022656D:D07	ES 164
M00022662C:H04	ES 164
M00022662D:H03	ES 164
M00022672C:H04	ES 164
M00022674C:H08	ES 164
M00022677C:C01	ES 164
M00022678B:C08	ES 164
M00022681D:E10	ES 164
M00022682D:A10	ES 164
M00022684A:E06	ES 164
M00022690A:A07	ES 164
M00022694A:F05	ES 164
M00022696B:C11	ES 164
M00039921C:H11	ES 164
M00039929B:E06	ES 164
M00039929D:H10	ES 164
M00039932B:A07	ES 164
M00039976C:F11	ES 164
M00039977B:D12	ES 164
M00039981D:B01	ES 164
M00040003A:G10	ES 164
M00040016C:E07	ES 164
M00040023B:B10	ES 164
M00040025A:B04	ES 164
M00040034A:E06	ES 164
M00040034B:G02	ES 164
M00040041A:G08	ES 164
M00040041D:F01	ES 164
M00040045B:H07	ES 164
M00040061C:C08	ES 164
M00040075B:A05	ES 164
M00040078A:C07	ES 164
M00040079B:F06	ES 164
M00040079D:D09	ES 164
M00040081C:E02	ES 164
M00040094B:C08	ES 164
M00040118D:C05	ES 164
M00040123C:A10	ES 164
M00040127C:D02	ES 164
M00022698C:D10	ES 164
M00022702D:E02	ES 164
M00022703D:B11	ES 164

Clone Name	Tube
M00022706D:G08	ES 164
M00022727A:G01	ES 164
M00022738D:G08	ES 164
M00022740C:H11	ES 165
M00022797D:A06	ES 165
M00022801D:D09	ES 165
M00022805B:A10	ES 165
M00022812A:G01	ES 165
M00022820A:F07	ES 165
M00022835C:A09	ES 165
M00022854C:G07	ES 165
M00022856D:A07	ES 165
M00022857B:A09	ES 165
M00022897B:F06	ES 165
M00022901A:C05	ES 165
M00022904C:D04	ES 165
M00022924B:A05	ES 165
M00022924C:F04	ES 165
M00022945A:H09	ES 165
M00022945B:F11	ES 165
M00022947B:D02	ES 165
M00022952A:B02	ES 165
M00022953B:D06	ES 165
M00022964A:B03	ES 165
M00022972C:E05	ES 165
M00022992A:H06	ES 165
M00022992B:G12	ES 165
M00022995C:G07	ES 165
M00023004C:A01	ES 165
M00023007D:D03	ES 165
M00023020C:H03	ES 165
M00023097D:B08	ES 165
M00039184D:H09	ES 165
M00039364D:E05	ES 165
M00039377B:E05	ES 165
M00039377B:H09	ES 165
M00039483A:D10	ES 165
M00039526A:A08	ES 165
M00039537A:F08	ES 165
M00039564D:D04	ES 165
M00039594C:B06	ES 165
M00039598A:E04	ES 165
M00039630D:B07	ES 165
M00039642A:A08	ES 165

Clone Name	Tube
M00039642C:F08	ES 165
M00039646A:E06	ES 165
M00039647A:A02	ES 165
M00039647B:A02	ES 165
M00039739B:H12	ES 165
M00040132A:H09	ES 165
M00040162A:E02	ES 165
M00040169A:G06	ES 165
M00040173D:A04	ES 165
M00040174D:G06	ES 165
M00040198A:F12	ES 165
M00040224C:F06	ES 165
M00040247D:D02	ES 165
M00040252C:G05	ES 165
M00040267D:A12	ES 165
M00040287A:C11	ES 165
M00040287C:F10	ES 165
M00040289D:C06	ES 165
M00039747B:B06	ES 165
M00039748C:G09	ES 165
M00040201A:H01	ES 165
M00040219B:B07	ES 165
M00040291A:G10	ES 165
M00040298B:B09	ES 165
M00040314B:D07	ES 165
M00040326B:G09	ES 165
M00040329A:H05	ES 165
M00040338A:B10	ES 165
M00040344C:D05	ES 165
M00040349D:D07	ES 165
M00040351A:C08	ES 165
M00040351D:G07	ES 165
M00040366B:H10	ES 165
M00040367A:C08	ES 165
M00040381A:B06	ES 165
M00040384B:E04	ES 165
M00040391A:G05	ES 165
M00042525B:H01	ES 165
M00042528C:H01	ES 165
M00042554A:D01	ES 165
M00042557D:B06	ES 165
M00042560C:G06	ES 165
M00042579A:D09	ES 165
M00042719A:G08	ES 165

Clone Name	Tube
M00042722C:C09	ES 165
M00042724A:G06	ES 165
M00042732B:H06	ES 165
M00042734A:F05	ES 165
M00042742B:E04	ES 165
M00042743D:G10	ES 165
M00042891C:G08	ES 165
M00042894C:A11	ES 165
M00042908A:F09	ES 165
M00042915B:G11	ES 165
M00054793B:A06	ES 165
M00054911D:E06	ES 166
M00055430A:A01	ES 166
M00055433D:G03	ES 166
M00055448B:E05	ES 166
M00055454A:D02	ES 166
M00055456C:H06	ES 166
M00055466A:F06	ES 166
M00055468A:A08	ES 166
M00055527B:E01	ES 166
M00055639A:E06	ES 166
M00055653C:B07	ES 166
M00055676A:G02	ES 166
M00055724B:E04	ES 166
M00055724D:C07	ES 166
M00055725D:D09	ES 166
M00055735A:H08	ES 166
M00055745B:A08	ES 166
M00055757A:B01	ES 166
M00055794A:E10	ES 166
M00055805A:H02	ES 166
M00055809A:B09	ES 166
M00055810C:D03	ES 166
M00055818B:D01	ES 166
M00055873D:C02	ES 166
M00055880B:H10	ES 166
M00055919B:C10	ES 166
M00055925D:B07	ES 166
M00055961C:B10	ES 166
M00055975B:F09	ES 166
M00055980C:B04	ES 166
M00056004B:C05	ES 166
M00056024B:F09	ES 166
M00056035D:A08	ES 166

Clone Name	Tube
M00056057C:F06	ES 166
M00056105A:D06	ES 166
M00056133A:E11	ES 166
M00056215D:F02	ES 166
M00056217D:E10	ES 166
M00056220D:G02	ES 166
M00056230D:E07	ES 166
M00056244A:B06	ES 166
M00056244C:H05	ES 166
M00056304A:H05	ES 166
M00056320B:A03	ES 166
M00056342A:C03	ES 166
M00056345D:A04	ES 166
M00056436C:F01	ES 166
M00056458C:E01	ES 166
M00042350A:A05	ES 166
M00042433A:E11	ES 166
M00042462B:C02	ES 166
M00042512D:D10	ES 166
M00042766C:D05	ES 166
M00042788A:F04	ES 166
M00042794A:F01	ES 166
M00042796A:A10	ES 166
M00042801C:D01	ES 166
M00042822A:H04	ES 166
M00042857C:E01	ES 166
M00042858C:G11	ES 166
M00042860B:C07	ES 166
M00042863D:F09	ES 166
M00042878D:F05	ES 166
M00042878D:G06	ES 166
M00042352B:A04	ES 166
M00042352D:B03	ES 166
M00042449B:F05	ES 166
M00042457C:B06	ES 166
M00042516B:D01	ES 166
M00042520B:H04	ES 166
M00043299A:B10	ES 166
M00043306D:C01	ES 166
M00043313D:E09	ES 166
M00043328C:E04	ES 166
M00043336D:B03	ES 166
M00043339C:F11	ES 166
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CLAIMS

We claim:

1. A library of polynucleotides, the library comprising the sequence information of at least one of SEQ ID NO:1-3351.
2. The library of claim 1, wherein the library is provided on a nucleic acid array.
3. The library of claim 1, wherein the library is provided in a computer-readable format.
4. The library of claim 1, wherein the library comprises a polynucleotide corresponding to a gene differentially expressed in a cancer cell of high metastatic potential relative to a control cell, wherein the control cell is a normal cell or a cell of low metastatic potential, wherein the expression is greater in the metastatic tissue, and wherein the sequence is selected from the group consisting of SEQ ID NOs:14, 137, 151, 152, 171, 200, 254, 262, 271, 348, 412, 472, 507, 520, 530, 588, 623, 637, 660, 678, 680, 700, 714, 774, 812, 834, 901, 937, 976, 1168, 1333, 1352, 1520, 1524, 1546, 1550, 1574, 1580, 1590, 1599, 1607, 1622, 1706, 1752, 1768, 1769, 1780, 1781, 1799, 1803, 1811, 1851, 1856, 1867, 1872, 1875, 1884, 1919, 1923, 1939, 1975, 2024, 2045, 2060, 2071, 2118, 2119, 2128, 2135, 2177, 2181, 2184, 2185, 2190, 2193, 2232, 2239, 2283, 2311, 2314, 2338, 2378, 2393, 2394, 2395, 2398, 2460, 2490, 2505, 2514, 2540, 2542, 2597, 2607, 2640, 2657, 2669, 2670, 2674, 2679, 2684, 2707, 2724, 2757, 2776, 2804, 2818, 2906, 2959, 2964, 2968, 2976, 2980, 2987, 3010, 3043, 3047, 3050, 3071, 3072, 3092, 3095, 3097, 3140, 3157, 3173, 3187, 3203, 3210, 3212, 3220, 3236, 3249, 3264, 3284, 3288, 3305, 3309, 3318, 3330, 3331, and 3335.
5. The library of claim 1, wherein the library comprises a polynucleotide corresponding to a gene differentially expressed in normal colon tissue relative to colon cancer tissue, wherein the expression is greater in the cancer tissue, and wherein the sequence is selected from the group consisting of SEQ ID NOs:7, 164, 734, 836, 928, 965, 987, 1026, 1044, 1119, 1226, 1227, 1251, 1316, 1429, 1442, 1540, 1553, 1560, 1577, 1588, 1610, 1620, 1626, 1673, 2416, 2749, 2976, 3129 and 3132.

6. The library of claim 1, wherein the library comprises a polynucleotide corresponding to a gene differentially expressed in normal colon tissue relative to colon cancer tissue, wherein the expression is greater in normal tissue than cancer tissue, and wherein the sequence is selected from the group consisting of SEQ ID NOs:105, 198, 465, 489, 745, 859, 976, 1011, 1045, 1138, 1226, 1251, 1253, 1392, 1474, 1559, 1571, 1589, 1591, 1607, 1608, 1643, 1753, 1764, 1766, 1782, 1811, 2749, 2784, 2790, 2805, 2976, 3128, 3129, 3146, 3150, and 3151.

7. The library of claim 1, wherein the library comprises a polynucleotide corresponding to a gene differentially expressed in normal human prostate cells relative to human prostate cancer cells, wherein the expression is greater in normal cells than cancer cells, and wherein the sequence is selected from the group consisting of SEQ ID NOs:53, 446, 1410, 1754, 1801, 1845, 2060, 2143, 2632, 2899, and 3338.

8. The library of claim 1, wherein the library comprises a polynucleotide corresponding to a gene differentially expressed in normal human prostate cells relative to human prostate cancer cells, wherein the expression is greater in cancer cells than normal cells, and wherein the sequence is selected from the group consisting of SEQ ID NOs:86, 93, 687, 1269, 1581, 1647, 1649, 1710, 1717, 1772, 1960, 2987, 3128, 3132, 3150, 3222, and 3268.

9. An isolated polynucleotide comprising a nucleotide sequence having at least 90% sequence identity to an identifying sequence of SEQ ID NOs:1-3351 or a degenerate variant or fragment thereof.

10. A recombinant host cell containing the polynucleotide of claim 9.

11. An isolated polypeptide encoded by the polynucleotide of claim 9.

12. An antibody that specifically binds a polypeptide of claim 11.

13. A vector comprising the polynucleotide of claim 9.

14. A method of detecting differentially expressed genes correlated with a cancerous state of a mammalian cell, the method comprising the step of:

detecting at least one differentially expressed gene product in a test sample derived from a cell suspected of being cancerous, wherein the gene product is encoded by a gene corresponding to a sequence of at least one of SEQ ID NOs: 14, 137, 151, 152, 171, 200,

254, 262, 271, 348, 412, 472, 507, 520, 530, 588, 623, 637, 660, 678, 680, 700, 714, 774, 812, 834, 901, 937, 976, 1168, 1333, 1352, 1520, 1524, 1546, 1550, 1574, 1580, 1590, 1599, 1607, 1622, 1706, 1752, 1768, 1769, 1780, 1781, 1799, 1803, 1811, 1851, 1856, 1867, 1872, 1875, 1884, 1919, 1923, 1939, 1975, 2024, 2045, 2060, 2071, 2118, 2119, 2128, 2135, 2177, 2181, 2184, 2185, 2190, 2193, 2232, 2239, 2283, 2311, 2314, 2338, 2378, 2393, 2394, 2395, 2398, 2460, 2490, 2505, 2514, 2540, 2542, 2597, 2607, 2640, 2657, 2669, 2670, 2674, 2679, 2684, 2707, 2724, 2757, 2776, 2804, 2818, 2906, 2959, 2964, 2968, 2976, 2980, 2987, 3010, 3043, 3047, 3050, 3071, 3072, 3092, 3095, 3097, 3140, 3157, 3173, 3187, 3203, 3210, 3212, 3220, 3236, 3249, 3264, 3284, 3288, 3305, 3309, 3318, 3330, 3331, and 3335.

wherein detection of the differentially expressed gene product is correlated with a cancerous state of the cell from which the test sample was derived.

15. A method of detecting differentially expressed genes correlated with a cancerous state of a mammalian cell, the method comprising the step of:

detecting at least one differentially expressed gene product in a test sample derived from a cell suspected of being cancerous, wherein the gene product is encoded by a gene corresponding to a sequence of at least one of SEQ ID NOs:7, 164, 734, 836, 928, 965, 987, 1026, 1044, 1119, 1226, 1227, 1251, 1316, 1429, 1442, 1540, 1553, 1560, 1577, 1588, 1610, 1620, 1626, 1673, 1960, 2416, 2749, 2976, 2987, 3128, 3129, 3132, 3150, 3222, and 3268.

wherein detection of the differentially expressed gene product is correlated with a cancerous state of the cell from which the test sample was derived.

NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS

ABSTRACT OF THE DISCLOSURE

The invention provides novel polynucleotides. The invention further provides novel members of protein families, and polynucleotides that are differentially expressed in cancer cells relative to normal cells, and in metastatic cancer cells relative to normal cells or non-metastatic cancer cells.

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DECLARATION AND POWER OF ATTORNEY

As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and joint inventors of the invention entitled "NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS," which is described and claimed in the foregoing specification and for which a patent is sought. This application claims priority from Provisional Application No. 60/142,311 filed July 2, 1999 and Provisional Application No. 60/142,310 filed July 2, 1999.

We have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to herein (if any).

We acknowledge our duty to disclose information of which we are aware which is material to the patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

We hereby appoint RICHARD W. SEED, Reg. No. 16,557; ROBERT J. BAYNHAM, Reg. No. 22,846; GEORGE C. RONDEAU, JR., Reg. No. 28,893; DAVID H. DEITS, Reg. No. 28,066; WILLIAM O. FERRON, JR., Reg. No. 30,633; DAVID J. MAKI, Reg. No. 31,392; RICHARD G. SHARKEY, Reg. No. 32,629; DAVID V. CARLSON, Reg. No. 31,153; KARL R. HERMANN, Reg. No. 33,507; DAVID D. MCMASTERS, Reg. No. 33,963; MICHAEL J. DONOHUE, Reg. No. 35,859; JANE E. R. POTTER, Reg. No. 33,332; ROBERT IANNUCCI, Reg. No. 33,514; LORRAINE LINFORD, Reg. No. 35,939; DAVID W. PARKER, Reg. No. 37,414; ELLEN M. BIERMAN, Reg. No. 38,079; BRIAN G. BODINE, Reg. No. 40,520; ANN T. KADLECEK, Reg. No. 39,244; E. RUSSELL TARLETON, Reg. No. 31,800; KEVIN S. COSTANZA, Reg. No. 37,801; THOMAS E. LOOP, Reg. No. 42,810; STEPHEN J. ROSENMAN, Reg. No. 43,058; BRIAN L. JOHNSON, Reg. No. 40,033; SUSAN D. BETCHER, Reg. No. 43,498; WILLIAM T. CHRISTIANSEN, Reg. No. 44,614; GARY M. MYLES, Reg. No. 46,209; and ERIC J. GASH, Reg. No. 46,274; comprising the firm of Seed Intellectual Property Law Group PLLC, 701 Fifth Avenue, Suite 6300, Seattle, Washington 98104-7092, as our attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Please direct all telephone calls to Jane E.R. Potter at (206) 622-4900 and telecopies to (206) 682-6031. Please direct all correspondence to Chiron Corporation, Intellectual Property R338, P.O. Box 8097, Emeryville, CA 94662-8097.

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that

these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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aataatat	ctatccagat	gcagtggctc	acgcctgtaa	tcccagcact	ttggggagg	358

<210> 8

<211> 403

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(403)

<223> n = A,T,C or G

<400> 8

```

ggcaccagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga      60
gagagagaga gagagagaga gagagagcgc ccccttgga gagagatata tctctcttag      120
gggggagcga tacccttca cccagtgtct ctgttagaga gatttttttt ttctttattt      180
ctctcacagg gggggagata tatacanatc tttttatgga ggcgcgctca ttttccctc      240
tgtgagaaac tctatttttt tttccccctc tttctgtgca cacacacaca ggttttgtgg      300
ggggggcccc catacccca caccctctct atttatgtgg gccgcccccc acactataat      360
aaaaaaaatt ttgggcccc ccccaatat cttttttttt cct                          403

```

```

<210> 9
<211> 390
<212> DNA
<213> Homo sapien

```

```

<400> 9
cgttgctgtc ggggggctga tccccctcc cccctcccgg acggggcggc tggccggccg      60
gggggctgac cacttcccac accctgcggg agggggaggg aggggctcct aaactcttat      120
aacttgcgag agggaggggg aggggtacct aggttctcct aacttgtgac acggcgcgaga      180
cgccacgcat atggcatact cggttctgag acggcgggagg cgctcataaa ctctcctact      240
gtgccagagg ggggaggggc cgcccacatg cgctactaac atccgacact gtgtaggggg      300
atacaggcgc tctccgaatc atagacgagg gggggccgat ctctacttaa atgcagacat      360
gaaaatactc tttttgtgaa attcgcgaac                                     390

```

```

<210> 10
<211> 371
<212> DNA
<213> Homo sapien

```

```

<400> 10
cgttgctgtc ggtcaccagg gaccttgctt gagaatattt tccggtggta tttcttggtt      60
gaggtcccac acggtgcact gaaaagtgtg atgattcttg cgaatggtga atcttatgtt      120
taggatatga acagaaacgg catgttcttt ttttatgtta ttttttaa atttttttat      180
ttcaacaagt ttttggcgaa caggtggtgt ttggttacat gaataagctc ttttagagggtg      240
atgtctgaga ggtgggtgct cccatcacc aagtagtgta cacagtaccc aatgtgtagt      300
cttttatccc tcaactctct cctacccttt ccccgagtc tccaaagtcc attgtgtcat      360
tcttatgccg g

```

```

<210> 11
<211> 428
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

```

```

<400> 11
gaattcggca cgaggagaga gagagagaga gagagagaga gagagagaga gagagagaga      60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga      120
gacaaaaaca cagcgcgccg cccgatctct atattgtgtg tctccacaca tcaggggggg      180
ggagagacac acacacacac gagatatgtg tgtgtgtgtg tctctatcat gtatctctct      240

```

cacacagaga	gagctctctc	tgtggtgtga	gagaaagaca	caggggtgtc	tctcttttcg	300
cgcgcgggag	agacacatat	attctgacgc	gcgtgcgctg	tgtatatata	tcttcgcgcc	360
acaggcgcg	ccacagagag	aaaaacctnt	actcaciaac	cacctttggg	gtgaggtggt	420
tttaaaan						428

<210> 12

<211> 437

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(437)

<223> n = A,T,C or G

<400> 12

aaaacacgtc	tcttgttctt	ttatgaggct	nnnnnacatt	cgctcgaact	cctgaccttg	60
tgatccaccc	acctcagcct	ccaaaagtgc	taggattaca	ggcatgagcc	accgcgcctg	120
gctgtctaa	tcttttattt	aatgcatacta	ggctcctcct	ttcttccttc	atggnttcct	180
ttttcctact	tccttatctc	gnnttctttc	cttcttttca	tttacagaga	aatgggtgta	240
gaaatgaatg	agaggagtga	gcaaagaaaag	atgagggaaa	aatagatgtg	ttaaggagta	300
tacgcataaa	gaaaagaggc	caggaggaaa	agctgttcac	cccgaactcc	atcctaattc	360
tgcgtagtct	ttcgttttct	gagaataagt	aggtcagaag	gtacaggaga	aactttcttg	420
gaatacacaa	aagggaac					437

<210> 13

<211> 389

<212> DNA

<213> Homo sapien

<400> 13

tacggttg	cgagaagac	gacagaaggg	ccttcattttt	gaattgagag	taataatatt	60
ctgccttg	tgggaataa	tataagatg	tgatgatacc	tttttacata	atacctacca	120
aatatcagg	tgtgaaaaa	atttggctcc	tgtttctttc	catgtctgtc	acgaacgcag	180
aagctagata	tttgtcctaa	cacattaagt	ggaaaggtaa	atgaaaactta	tctgctttcc	240
tctagccctt	tcttttcagt	caggcaatgc	tgattatgac	tagataat	taagatgtga	300
gtatattcat	tgaatctcag	ctgtgtaaac	tatataacaa	gtatgtgaag	gcaaaatgga	360
gccgatacct	ttgataacct	gatttatag				389

<210> 14

<211> 428

<212> DNA

<213> Homo sapien

<400> 14

ggcacgagac	tttccactgt	aatccaacca	cctaagttta	tcagggtgctt	cactgaggaa	60
gcctagtttt	ttaagcacia	tagcaaaacc	atcagctctg	tattttctcc	tgttattttca	120
ttacagtagc	tgcttgtggg	aactaggaaa	aattcttcca	acataattta	aggcctaaaa	180
tcttagttcc	ccattctcct	accttataga	ttcacaggcc	tttctcgcc	aggcatcata	240
gataaacgta	attgtttggg	gagttgaatt	taatgaactt	atctaacttt	gtaacccatc	300
ttggctttag	taactttatc	aagggtggtg	ctttaatgaa	tataatggta	aacttttagag	360

gacgctaaag cctcctttta tagcgcttct caacggtagg gagagctgaa gggaaaacat 420
tctgactg 428

<210> 15
<211> 368
<212> DNA
<213> Homo sapien

<400> 15
cggttgctgtc ggccatctca aaaggaaaca agttctgcta gtgatgcttt catttgatca 60
ggggagaggtt agaagccagc cacccaatta gtgacttgca caaaaccag tgaattaagt 120
acacttgaca aataccaaat gacacatctt tgtgccagac cagagcaagg agaaggctgt 180
tctgacccaa cagaaagggc tccccagggc agtgttttcc taacttccct gtgaatggga 240
attgcctggg acattgttaa aacacagctt cccagacccc tctcttgggg ctcttgattt 300
agtgttctg ggatgggccc aggaatttgt attttttagca agcatctcag gtgattctta 360
caagaaat 368

<210> 16
<211> 400
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 16
ggcacgagga gagagagaga gagagagatt gagagataga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagagc 180
caccctctct ctcccccttt tttttttttt tttttttccc ccctcttttt tttttctttt 240
tttttttttc taaaaagcaa gtggcctggg gccggccccc cccccccccc caccaaaact 300
ttattttttt cttttttttg ttgaagatga gtgggggnga aacaagccct tccccctttt 360
tccccccctt ttttttttct gtggttctct tctccccccg 400

<210> 17
<211> 429
<212> DNA
<213> Homo sapien

<400> 17
ggcacgagga gagagcgaga gagagagaga gagagttaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga tttttttttt 120
ttttctctct atacacgcgc ccccgcgcg cgcgtgtgtgg ggggggaccc ccataactca 180
ctctatactc tctctctctc tgcgcccccg tgaccgacca cacgcggggg ggtgcggagc 240
gcgcgctctc tccccccccc tctgtttttt tttttttttt ttgttcccc acaccacaca 300
tacacacact ctctctctcc cgccctctct ccctgagatc gagcgcattg atctctctgt 360
gcgctctaga gacactccct ggggtctctcc cccccccccc cccccccccc tctctgtgct 420
cttatgtct 429

<210> 18
 <211> 408
 <212> DNA
 <213> Homo sapien

<400> 18
 ggcacgagcc cagaccaagc tagtccttgc ttcatcactc caagtagccc tcctcagtct 60
 gagtccaccc ctgacattgc tgttctggcc ttcagctgat cacagctaga aactgtcggg 120
 aacattagca ctaagcgcta ataaccatta aaacagatga ccatttacca agccccact 180
 ctaagccagg cgtgggtata agtgattcat ttctgtatca cttaaagtca tttaatcctc 240
 atcctaagaa atgggttata gtataatccc tagttggcag atcaggaaac tgaggcacgg 300
 aaaggtgtca taatttgccct aagtattggg gaagctggga ttcaaaacca gaggctgtgc 360
 tgagtcttat ccgctggact gtagagcaca caggaggaaa agggcagt 408

<210> 19
 <211> 390
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 19
 aattcggcac gaggtcccgt cggcctcact gttttccctg ccgtttatct gttgaagagc 60
 ctgggctggt tgtcccacag cttcccacag tgtagatttt gctgaccacg tgggtcatggg 120
 gtagttcagc atggtcctct atgtttcctg cacattggca gctgggtcca gaggtctgat 180
 gagcctcaaa ttgatccct ttggcaggag aacaggcggg taggagcttt cctcaggaaa 240
 gtaccatggt gacggcagct gatgctcagt gccaatatcc attaatatt tggngggtgc 300
 aaaatggggg attctcattc tggcgtttgg cttgctttat tagctggaat gggtttctaa 360
 gaaagggttt cttttttata cttatctcgg 390

<210> 20
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 20
 ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
 gagagagaga gagagagtgt gccacacac acacacgcgc gaactctctc tctctgtgtg 180
 tgtggcagcg cgcacattta aggcgcgcgc gctctctctc tctcacagag gggggggggg 240
 gcgccttggg ggccccccacc ctacaaaaga gtttttttct cgctctatat atcgagagag 300
 agagattgtc ccctacacgg ttgtgcgcga cagagagatt ttttttttaa aaatcccccc 360
 acggggggcg ggtgtggggg tgtatataac tctcccctct tc 402

<210> 21
 <211> 391
 <212> DNA
 <213> Homo sapien

```

<400> 21
cgatgctgtc gctttcagtc acccttcttt tcgtgagctc cctctctggca aaaagcaagt    60
gcggagatgt catccaagaa cctagggcct agactcatgg accccaagag gggctctctat    120
ttgatgcttt accccactgt ggccaagggt gtagcaagtg catggcaggc tgggcgcagt    180
gtctcatgcc tgtaatccca gcactttggg aggctgaggc gggcagatca cttgaggcca    240
ggagttagag accagcctgg ccaacatggc gaaaccctgt ctctactaaa aataaaaaaa    300
attaggccgg gagcggtggt tcaactcctgt aatcccaaca ctttgggagg ccaaagtgt    360
cggatcatga ggtcaggagt ttgagatcac g                                391

```

```

<210> 22
<211> 400
<212> DNA
<213> Homo sapien

```

```

<400> 22
ggcacgagct tccattagtg ccaactcagtt acaaattgct ctttattata ataccaatgg    60
taccaagaga aaaaaaaaaa gcagagcatt atgtaagttt ccttaaaaag acatgatcac    120
ctctcaaatt tcatctctcc tagggataat aaataatgca ctgcacaata cttaatgacc    180
aaaatacctt ttgacacacc tgtataacat gacttgaact tttttttttg ctaccctatg    240
ttacaaaaca gttataaac ctaggtatga cctttacctg ggaggggtaaa cagtaggact    300
accacttgct aaaagtttta aacacttgac cgggaacggg gccgggggtat ccatcatttc    360
catggtttcc tatttcaccc ccccatcag gggagtctac                                400

```

```

<210> 23
<211> 398
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

```

```

<400> 23
attcgaattc ggcacgaggt tgcttgggtg gccgctaaca ccaggctact cttatttttag    60
cttgctaagt tgagatcagc tagacctgct ttcttttctc ctcagtcttg cattccctc    120
aatacaagct gttagcctctt tcttcgtttc tagtctcaga aggaaggaga gggaagccat    180
tctcctctag ggactcttca gtctcattta gatgatagtc cttttttttc tacctccata    240
ttagagatgg agctccttcc ttttcctgt tcttaaattt tggcttctca atccctgttn    300
cctctcaacc taattgccag tccaacaact aagagtgaag gattccctag catttcatta    360
aatctattcc tgattcaaca agtggcagaa tcttgcac                                398

```

```

<210> 24
<211> 394
<212> DNA
<213> Homo sapien

```

```

<400> 24
ggcacgaggg ccagcctgtg tcaggggcag cccaccaagt taactcactg agtgggaagcc    60
gccagtgtgc caacgcggag gggacaggcc acaccagtg ctcagcagct gattcctcat    120

```

```

gtaagtggca tcatgtggta tttgttttgt gtctggctta tttctattaa cataatgttc 180
tccaggttcc tccatgttat tgcaaatgat aggatttctt tccttgtaaa aaataacatg 240
ccacattttc ttaccaatcc gtccaccaat agacacttag gtcgttttca tagtttggca 300
gttgtggaaa tgctgcagta aacatgggag tatagctatc ttttgaagat aatgatttca 360
tctctttttt atatgtatac ccagaagtgg gatt 394

```

<210> 25

<211> 388

<212> DNA

<213> Homo sapien

<400> 25

```

ggcacgagcg ggcgtccagg ctggagctcc cagtgtctggg aagccaagac ctgagcgata 60
tcccattgcc ggaaccatct ttgcttctgc tcacaccttc ctggtcggcc attcaatcaa 120
caaaactctag ccagcccccg ctctgtgcta ggcttgagct cagcccagca ggggtgcagag 180
cccacctca ccaggcccca cctctcggg gccaaaggcg gtgggtgccc gggggagaag 240
atggatggac gacagttctg tgatgagatc tgaaattcat tacggggtga gatcagctcc 300
ttaaattggg atttgaaaac attagggctt cattatgtac acaacggcag tgccctattc 360
atcatgcaaa aatcactccc gttatttaa 388

```

<210> 26

<211> 436

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(436)

<223> n = A,T,C or G

<400> 26

```

cgcacgagga gtggcatgca gggcccctgc catgggtgcg ctccctaccg gagcaaagca 60
gcatgataag gactgcagcg ggggagctct ggggagcagc ttgtgtagac aagcgcgtgc 120
tcgctgagcc ctgcaaggca gaaatgacag tgcaaggagg aaatgcaggg aaactcccga 180
ggcaccagagc cccacctcct aacaccatgg attcaaagtg ctgagggaat ttgcctctcc 240
ttgccccatt cctggccagt ttcacaatct agctcgacag agcatgaggc cctgcctctc 300
tctgtcattg gtcanaggtg ggaagagagc ctggaaaaga accaggcctg ggaaagaacc 360
agaatgaggc tgtgcagAAC cagaacacct gcacttctgc caggccaggg cagcatgacg 420
gcagactcta ggaggg 436

```

<210> 27

<211> 406

<212> DNA

<213> Homo sapien

<400> 27

```

cgaattcggc acgagggggc gcgggcgccc ctgcactagt cggaaaaaac cgagaggttt 60
ctcttctcag ggctgagtca ccagcacgca ggagaagagg gcgaagcggc caccgcggtt 120
ctgtgttcgg agtcaggacg agaagcattg ggtgggagca gggcgagggg ctcgagttgg 180
gtctgcagcg ggcacaggac ctagttttgt acagttaacg gtggggttga gtaaagaggg 240
ggcggtggg gaggtgtaag ctccctttat tcctttccca gcggaccagg aggaagcttc 300

```

```

gttgaattga ggcaccttg ctcgtatagc aggccgagga gggagctcat gggcagcggtt 360
ggctaagagt tcgagatcat ctagaaatgt cagagacgta ggttgg 406

```

```

<210> 28
<211> 386
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (386)
<223> n = A,T,C or G

```

```

<400> 28
attcggcagc aggcctttccg caccttaacc ccagtgcgagc tgaaaaagaa agttaataaaa 60
ctataatata tggaagcaag aaagacactg cctcctctga gggacctttt cccaagcatg 120
taaacaaggg ggcacacagc cctggetgca ggcacatga cccatcttct accaggcaga 180
tctttattac ctgagccccct aaggcagtggt ctcctcagct gggctgcttc cactgagacc 240
cccgacccat cccctttcca agacacacac ctgatgcagc taagaatgta aaagggcttt 300
tctcagaant gattaataat tcagtgggct cttcggagtc gaatggcatt tggggcacca 360
cgaaggaagg aatcatcatt ggctaa 386

```

```

<210> 29
<211> 384
<212> DNA
<213> Homo sapien

```

```

<400> 29
ggcagcagca agactgaagg caggccgcac ccatttccac aatgggtgtc tcccttcccc 60
cacagccttc cagttgtgcc ctgggcagga ctgcactctc aggttctcct atttccgaac 120
gggtgccaac tcctacccta accaactgac atctacttgt tgctggacca gaacgtgctt 180
ctgctcactg taaaatgcct cctgagactg ggggggggct ggctgtcagg gaggccgccc 240
cgtcctgggg ggcacctcag ggcaggtact gacttccata gccaggacct aggccgggaa 300
tcgggaaggg atggccccgg aagtataag gcaggatttc caggcagggg aagtggcatt 360
taggagaact ggctatttaa gggg 384

```

```

<210> 30
<211> 435
<212> DNA
<213> Homo sapien

```

```

<400> 30
tcgcacgagg agagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agagagagag agagagagag agcgcgcgcg cgctcacaca cactctcacg cgcacacact 180
ctctatatat atataccac acaaaatata tatccacaca ctctcccca ctatatatgt 240
ggttttatat acacacacat atatccccct ctctgtgtct tctctctgtg ttttatagaa 300
agctcttctt ctttattttt cacggccgcc ctttttctt caggagaga acacacaccc 360
tactcttgtt ggcggggggg gcttttttta ataccctcc ccccccacaa gagaaaaaat 420
atctcttgtt ttttt 435

```


<210> 31
 <211> 361
 <212> DNA
 <213> Homo sapien

```

<400> 31
ggcacgagca agactgaagg cagggcgcac ccatttccac aatgggtgtc tcccttcccc      60
cacagccttc cagtttgtcc ctgggcagga ctgcactctc aggttctcct atttccgaac      120
gggtgccaac tcctacccta accaactgac atctacttgt tgctggacca gaacgtgctt      180
ctgctcactg taaaatgcct cctgagactg ggggggggct ggctgtcagg gaggccgccc      240
cgtcctgggg ggcacctcag ggcaggtaact gacttccata gccaggacct aggccgggaa      300
tcgggaaggg atggccccgg aagtgataag gcaggatttc caggcagggg aagtggcatt      360
t

```

<210> 32
 <211> 418
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (418)
 <223> n = A,T,C or G

```

<400> 32
ttcgaattcg gcacgagggg acctgggcct caggcctgct ccaccactga ctcaccgaat      60
gaccttgggc aaggcactgc cctctctgtg ccttggtttc cccatctgta gaatggggag      120
ggtggacact ggaaactaga tgacttcttt cacctccaaa attcccttag tttctatgaa      180
aatattgggg gtaggggggt ggattaggag attgaagggt tgnnannaan gagaaattgt      240
ttaaagagtt cttataacct gtctggagaa atgcgcatgg gggatggact ctgttaaggc      300
aggcgctcct gattgtgagc tatagctcat cccgagcagc tgtgtctcta tgctgtctgg      360
gcttttatgt ctcatgatca tctttggagc agctggtctg tccctcatac gggacccg      418

```

<210> 33
 <211> 403
 <212> DNA
 <213> Homo sapien

```

<400> 33
gtgcacagag ctctctctct ctctctctct ctctctctct ctctctctct gtctctctct      60
ctgtctctct ctggggctga tgctctggac acggggagaa cccttgtgaa gactctttcc      120
tgccagacac agagggccac acctacgtgg cctttattcc aatggagaaa gatgatgact      180
tcaccacctg gacctagctt gccaagtgcc tccatatctg ggacctggat gtgcgtggca      240
accatcggcg cctgtggaca ttggttcgag agagaaaccg cttcctggag agggaggtag      300
cgaattccac cgtactcctg tggctcagaa tctaaactat ttattgactg tgctgagggc      360
ctagaaaact agccgaagct ggagggtctg cattcttata gcg

```

<210> 34
 <211> 227
 <212> DNA
 <213> Homo sapien

<400> 38

<210> 39

<212> DNA

$\langle 220 \rangle$

<222> (1) ... (389)

<400> 39

<210> 40

<211> 392

<212> DNA

<400> 40

<210> 41

<211> 393

<212> DNA

<213> Homo sapien

<400> 41

```

ggcacgagtt gatgttaaac catgaacaga accagcaaga tcagccagta cctgaaaccc      60
aatacagagt agttcacagc aagaagtaca gattgatctg gttcccatgc ctgaaaccct      120
gtcatctagc agttctacca gtgttcctgg gccattttct tagcttcttg agtgagttta      180
gctctttttg tgttgacttt tagggcctcc agcagctcca tgattttcca ggactttcca      240
gtctggcccc cacggaattc tcaggatgat tctcatccag ccctaagtca tgtttctagc      300
ctggctccag cgggtaagcc aggcctgag aaccatatga aagggtcttc cagataaaat      360
cagagtgcta atgccagaat gctgcagtag cct                                     393

```

<210> 42

<211> 386

<212> DNA

<213> Homo sapien

<400> 42

```

ggcacgaggg tctgctgtgc accaccttgg agaaggctct ctgtgctgta gtgtggcagc      60
tgcttggtac cggggtggct tggagaagt cagctcccgt cgtagtgagc acctctggaa      120
cctgtcctca gagagccacc cttattgcc aagtcttttt gacaactcga gctgtgccag      180
ctcacagcag ggcgtgcttt ctctatcaat caatcatcaa tcaatcaatc aaatctatca      240
gtgagagcct ggctgggctg gtgtcattgg tcagggaaat gcaagtcttc tgggtgggtct      300
gggtaaaagt ggagacaata gatttgcgtg gttgttgctt ccatactgag aggagtgagg      360
atcactttgc cctcgaaggt tttgag                                     386

```

<210> 43

<211> 415

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(415)

<223> n = A,T,C or G

<400> 43

```

tacggctgcg agaagacgac agaagggcgg gcatggtggc acatgcctgt aatcccagcc      60
actcgggagg ctgaggcagg agaatggcgt gaaccagga ggtggagctt gcagtgagct      120
gaaatcgcgc cactgcactc tagcctgggc tacagagcga gactccgtct canaaaaaaaa      180
aaaaaaaaagaa aggaaaaatt gggggggccc ggcccggggg cctaattcttg gaattcaaac      240
cttttggggg gcccgggggg gggggataaa agggcagggg ttttgaaccc agggggggccg      300
gaggggaaaa cttttttttt ttttaaaaag agggggggga gaaaaaaccc cattggggggc      360
cccttcccga aatccggggc ggtaaaaaac cttggggggg tttggccaaa cccaa          415

```

<210> 44

<211> 376

<212> DNA

<213> Homo sapien

<400> 44

```

cgttgctgtc gcatgctctg gttctgcttt cctagcacag gtccatgctc tgtgtgggtg      60
cttttgggat ggcagccact tccatgtcgc gatgagggcc cagctagcga gccggacgag      120
gcgctggtgg atgaatgctg cctgctgccc agccagctgc ttatccccag cctggactgg      180

```

cgtgccagcc	agegacggcc	tgggttagccg	cctgcagccc	aagcagcccc	ttcgtctgca	240
gtttggccgg	gcgcccacgc	tgcttggcag	tgctgccacc	ctgcagctcg	acggactcgc	300
cagggcccca	ggccagccca	agatcgacca	cctgcggagg	ctggcacttt	gcgcttgccc	360
cacgtaggaa	tgcaag					376

<210> 45
 <211> 425
 <212> DNA
 <213> Homo sapien

<400> 45						
ggcacgagct	tagaacggag	aggcttttctg	agtaaaaaga	accaaccccc	tagcaaggcg	60
cctaagttgc	actctgaacc	ttcaaagaaa	ggggaaactc	ctacggtcga	tggcacttgg	120
aagacccttt	ccttcccaaa	aaagaagaca	gctgcttcca	gcaatgggtc	aggacagccc	180
ctggacaaga	aagctgcagt	gtcttgggtg	acccctgccc	cttcaaaaaa	ggctgattct	240
gttgctgcta	aagtagattt	gctggggggag	ttccagagtg	cccttccaaa	gatcaatagc	300
cactgtgtct	gacaagaatt	tatacttaag	cataggagat	ggttctggaa	attctaagaa	360
attctgctct	cagtaagagt	agaggtttgg	agctttacct	cttggcagta	tccttggaa	420
gggag						425

<210> 46
 <211> 415
 <212> DNA
 <213> Homo sapien

<400> 46						
ggcacgagct	tagaacggag	aggcttttctg	agtaaaaaga	accaaccccc	tagcaaggcg	60
cctaagttgc	actctgaacc	ttcaaagaaa	ggggaaactc	ctacggtcga	tggcacttgg	120
aagacccttt	ccttcccaaa	aaagaagaca	gctgcttcca	gcaatgggtc	aggacagccc	180
ctggacaaga	aagctgcagt	gtcttgggtg	acccctgccc	cttcaaaaaa	ggctgattct	240
gttgctgcta	aagtagattt	gctggggggag	ttccagagtg	cccttccaaa	gatcaatagc	300
cactgtgtct	gacaagaatt	tatacttaag	cataggagat	ggttctggaa	attctaagaa	360
attctgctct	cagtaagagt	agaggtttgg	agctttacct	cttggcagta	tcctt	415

<210> 47
 <211> 389
 <212> DNA
 <213> Homo sapien

<400> 47						
cgttgctgtc	ggggattttt	ttttcctcat	aaatgttata	aggaaatgat	gttatccaag	60
gacctgctgt	attctctttt	tctctctttt	tttttttttc	gggaaggga	cccccccttg	120
gccccaaaag	ggggggggca	gggcaaaaat	acgggctaac	ggaaactttc	cctccggggg	180
gggacaattt	acccccgggg	ggcaaaggcg	gaatggctcc	aaaaggcccc	cgtgcccttc	240
aagcgggggg	agaaaaaggg	aaccttgtc	taaaaaaaaa	aagggcgggc	gtggtgtctc	300
ggggaaagag	gccggagcac	ccctagcccc	tcaggggggc	gcctgcggta	aaccgccaaa	360
agatgcgccc	ggtttttgaa	caaaaattt				389

<210> 48
 <211> 397
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(397)

<223> n = A,T,C or G

<400> 48

ggcacgagca gacgggcatt tgtaccaggg tctcacacca tgtgcatgtc tagtgaaaaa	60
gtcatgaaac gattctcttt taaaaagagg gagcccacgg cacggacgct tcctccgtct	120
ctgaccccat gagccgacct ctgactgagg gagggcactg gcacccagcg ggctgcgtc	180
tccttcgcga gctgaattca ctggtctctt agatgttttt tctggggctt cagttcacac	240
taacgtttta gaaacactat ttgaaaaagc cttttgtgca gtcagaaggg tgtgtacgca	300
gccccgtgaa agccctggag cactgggacc ttttccttgt gctccggaac tgttggcaga	360
ggtgagtggg gcgggcagct gcccggngca cagtccg	397

<210> 49

<211> 366

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(366)

<223> n = A,T,C or G

<400> 49

ggcacgagga gagagaggag agaactagtc tcgagnnntt tttttttttt tttttttttt	60
tttttttttt tttttttttt tttttttttt tnnngggggg gggccccccc gggccaaaag	120
ggggaccccc cccaaaaaaa aacccccccc cccccaaaat aaaacccttg gggggggggg	180
ggggcccccc ccaaattttg gggggggggg ggccgggaaa aaaccggggc caaaacttgg	240
gggggttaaa aaaaaaaaaat tttttacccc cccttttttt tttttttggc cctgggcccc	300
ccccaaaaag gggaaccctt ccccccccaa aggggcccccc cattttttttc gggggggggg	360
gggagg	366

<210> 50

<211> 410

<212> DNA

<213> Homo sapien

<400> 50

ggcacgaggt tgcgtcctcc tggggaagag gaaaggctcg gttggagctg gcagtttcca	60
actccctgga ggatcatctg agttcgggtg aacctgggaa gaatgtgctc aaagggaaac	120
ctgggaagaa gcagctcttc acctgaaaaa tgttcacttt gcctcagttg tgaattcttt	180
cattgagaag gagaattacc attatgttac tatattaatg aaaggagaag tggatgtgac	240
tcatgattca caaccaaaga atgtagagcc tgaaaaaaat gaaagttggg agtgggttcc	300
ttgggaagaa ctacctcccc tggaccagct tttctgggga ctgcgttggt taaaaagaaca	360
aggctatgat ccattttaaag aagatctgaa ccactctggtg ggatacaaaag	410

<210> 51

<211> 397

<212> DNA
<213> Homo sapien

<400> 51
 ttccggcacca ggaaccaccc aaagtaccca aatcagcacc attttttcatt ccaacaattc 60
 ctggccttgt acccagatat gctgcacctg aacaaaataa tgatccccag cagtctaaag 120
 tggtaaatct tggagttttg gctcaaaaat cagatttctg cttgaaactt gaagaaggac 180
 tggtaataaa taagtatgac actgctctca accttctgaa agaatcaggc ccatcaggaa 240
 ttgaaacaga gctgcgaagc ttgtctcctg attgtggtgg gtccatagaa gttatgcaga 300
 gcttcttgaa aatgattggg atgatgctgg acaaaaagcg tgattttgag ttagcccagg 360
 cataccttgc attgtttcta aagttacacc ttaaaat 397

<210> 52
 <211> 403
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(403)
 <223> n = A,T,C or G

<400> 52
 ggcacgagca gtggccgaaa aagtgaggac aatccgcaaa taccggagcc ggccccctttg 60
 cctggacatg gaggcacccc ccaatcacct gcagaccaag gcctatgtgc gccagtttca 120
 ggtcatcgac aaccagaacc tcctcttcga gctctcctac aaagctggagg caaacagtca 180
 gtgagagtgg aggctccagt cagacccgcc agatccttgg gcacctggca ctcaagcact 240
 ttgcacgatg tctcaaccaa catctgacat ctttcccggtg gagcaacttc ctgctccacg 300
 ggaaagaggt cgatggattt acccctggac ccataagtct gttcatcctg ctgaagtccc 360
 ctccccattg ctcttcaag ccaaaactac actntgctgg ttc 403

<210> 53
 <211> 440
 <212> DNA
 <213> Homo sapien

<400> 53
 ggcacgagga ggaatgtcag ctgagtacag ttttctcata tggaagacca gccacactgt 60
 caagtgggaa ggcgtatggc gagaactggg ctgcctctca aggacggcgt catttgctgt 120
 tcgaaaagaa agcggacatt cactgaaatc atctctttcg caccgcatgg tcatcgattc 180
 tcggaattct tccatcttac caaggagagg tgctttgctg aaagttaacc aggaactggc 240
 aggctacact ggcgggggatg tgagcttcat caaagaagat tttgaacttc agttgaacaa 300
 gcaactcata tttgattcag ctttttcagc gtctttctgg ggcggaatgt tggtaacct 360
 tggtgataag ccgtcaagca ttgctgatag gttttacctc gggggaccca caagcgtccg 420
 cggattcagc atgcacagct 440

<210> 54
 <211> 385
 <212> DNA
 <213> Homo sapien

```

<400> 54
ggcacgagct gtggctcctgt ggtcccagct actcatgaag ctgaggcagt tgaggctgca      60
gtgagccacg ttctggccac tacactccag cctgggcatc aaagtgacaa gaccaaaaaa      120
aaaaaaaaaa tgtggttttg aggaggcaa aaaaaaattc aggaaagggg gggaaaggtaa      180
tcccttaggg acacattttt actcacaatg gtatctccaa ctttgggcat agggcctaaa      240
acgtaggttt tttatgaatt atttaaccga aaaccacccc ctaatttaag gcatgggcat      300
gggaaaaaaa aaaccacct tgaaaaatat ttaagggcct ttgccagggg aacttaggga      360
ctttaggggt taattttatc tataa                                           385

```

```

<210> 55
<211> 383
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

```

```

<400> 55
aggatcccat cgattcgggc tgttcattct cctgaacaca gcctgccact ttaaggaaaa      60
catatgacac tatttggtgc tggcgaaatt tacattttca agtgaatagc agaattctgg      120
acacttgcca ccaccaccaa gacctcata gcttccctta actttgagac atgggtgttc      180
agaggttttt cacgtgagat ggcgttagca ggcgagtttt gtgatactgc ctgaagacat      240
gccgacagtg cccagatctc ttctattggt gagccagctt ttcccacacg gccaagttct      300
gatgttgaac cattgccagg tgggtgaaga tccattgaca gtgaaagggt ggcccgtggg      360
cttcantgca accaagcgca gan                                           383

```

```

<210> 56
<211> 385
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

```

```

<400> 56
ggcacgagag ggaccctgcc ttgtaccac atcactgggc tctgtgctga ccaccagaca      60
ggaggaggtc ctagtgggtga gcaggggcag gacatgcatc ttctgggggc tgcagggagg      120
caggggtaga gcttgatgcc atggtggagt gtaggagagg ctcagagaca aggagactca      180
tgagaccagg ctctttgcgt ggccatggca tcagcaactg ccccgtagca cagccctttt      240
ctcaagtcac tctgattttg agcacttgct acaggcacct tttgggggca cgggtgttcg      300
cgcacacaaa tcaacanaag agagatgcag ggcaggatcc tgagcccaac ttgcggcctt      360
ggcggtttct tctgcaagt gggcg                                           385

```

```

<210> 57
<211> 383
<212> DNA
<213> Homo sapien

```


cgattcgc	gaactcctga	ccttgatg	caccacctc	agcctccaaa	agtgcctagga	60
ttacaggcat	gagccaccgc	gcctggcctg	tctaattctt	tatttaaatgc	atctaggctc	120
ctcctttctt	ccttcattgg	tccctttttc	ctacttccct	atctcggttt	ctttccttct	180
tttcattttac	agagaaatgg	tgttagaaat	gaatgagagg	agtgcgcaaa	gaaagatgag	240
ggaaaaatag	atgtgttaag	gagtatacgc	ataaagaaaa	gaggccagga	ggaaaagctg	300
ttcaccccgga	ctcccatcct	aatcttgctg	agtctttcgt	ttcctgagag	tagttaggctc	360
agaaqttaca	qtaqaaactt					380

<210> 61
 <211> 375
 <212> DNA
 <213> Homo sapien

<400> 61
 cgttgctgtc ggaatcctgt gcggtgtcaa ttcaggtgtg cactggcccc tgagccttac 60
 atacaggacc cgttcccttag gatgacgttg cgttcccttg cttagagcct cagcaccatg 120
 gcacctgggt ctccccgat gcctgggtct tgctcttgcc catttcctag ccagggtttg 180
 tgggccaggc aacctgtcac atcagtgtgt tccaaacatg gcaccagat ctcaaaagct 240
 tcttcaacgc tcccatgggt tgggatacac ctcaagtttt aacttacgta cttcaagttt 300
 cttttattca attagatata aaccgtctga cttttggctt ctgaaacagg aaagtcaatt 360
 ttgttggttt cactg 375

<210> 62
 <211> 380
 <212> DNA
 <213> Homo sapien

<400> 62
 cgttgctgtc gactgtgtct gtgtgagggg gagagtgtgt gtggtgtgga ggtgaaactg 60
 aggcaagaaa gggggctacc tcaggagcga gggacaaagg gggcgtgagg cacctatgcc 120
 gcggcaccac ggcgacagga agcgtctctg aaccgggcta ccgtgtaggg gaagggcccc 180
 cgtagtcttc gcaggggccc acagctggag tcggctccac agccccgggc cgtcggcttc 240
 tcacttactg gacctcccc gcgcccgggc ctgaggactg gctcggcgga gggagaacag 300
 gaatcagact tgagcagctg cccgttgtct cgcaacttca cttgccgaga acccctaatt 360
 tgttccctcc ctccctcccc 380

<210> 63
 <211> 378
 <212> DNA
 <213> Homo sapien

<400> 63
 cgttgctgtc gtgttaatag aaagaataat gtagatcaag ctattaataaa tggtcaggct 60
 cttctaaaac aaaccacagg tgaggaggtg ttacttatcc aggaaaaact agatggtata 120
 aagactcgtt acgcagacat cacagtact agctccaagg ccctcagaac tttagagcaa 180
 gcccggcagc tggccaccaa gttccagtct acttatgagg aactgaccgg gtggctgagg 240
 gaggtggagg aggagctggc aaccagtggg ggacagtctc ccacagggga acagataccc 300
 cagtttcagc agagacagaa ggaattaaag aaggaggtca tggagcacag gctgggtgtg 360
 gacacagtga atgaggtg 378

<210> 64
 <211> 371
 <212> DNA
 <213> Homo sapien

<400> 64
 ggacagagtc tgatcatact cactgtttct tcataccct actgaccttg tccagaatcc 60
 cacatcccag ttgatatcag ggcaatcagt ttctggctg ttttcccaa tatcaaccg 120

```

ggcttacaga agacagtcac cacagagctc ctgccaggag ttcactcatt cgtgcatttc 180
ttcctttttt ttttcttttt gagatggagt ctgcgtctgt cgcccaggct ggagtgcagt 240
ggagcgcattt cggttcattg caacctccgc cgcttgggtt caagcgattc tcttgcttca 300
gcctcccagg tagctgggat agcaggtgtg tgccaccacg cccagctaatt ttttgtattt 360
ttagtaaaga g 371

```

```

<210> 65
<211> 371
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

```

```

<400> 65
tacggctgcg agaagacgac agaagggcgg gcatggtggc acatgcctgt aatcccagcc 60
actcgggagg ctgaggcagg agaatggcgt gaaccaggga ggtggagctt gcagtgcagt 120
gaaatcgcg cactgcactc tagcctgggc tacagagcga gactccgtct canaaaaaaaa 180
aaaaaaggaa aggaaaaatt gggggggccc gggccggggg cctattcttt gaatccgaac 240
cttttggggg ggcggggggg ggggaacaaa agggcaggga ttttaaaccg agcggggcca 300
gcgggggaaa cctttttttt ttttaaaaaa aaaagaaaaa aaaaaaaacc cctttggggg 360
gccttttaag a 371

```

```

<210> 66
<211> 374
<212> DNA
<213> Homo sapien

```

```

<400> 66
ggcacgagct ccaatgagct actcctgact caaatggaga agtgtgccct catggaagcc 60
ctggtttctca ttagcaacca atttaagaac tacgagcgtc agaaggtgtt cctagaggag 120
ctgatggcac cagtggccag catctggctt tctcaagaca tgcacagagt gctgtcagat 180
gttgatgctt tcattgcgta tgtgggtaca gatcagaaga gctgtgaccc aggcctggag 240
gatccgtgtg gcttaaacgg tgcacgaatg agcttttgtg tatacagcat tctgggtgtg 300
gtgaaacgaa cttgctggcc cactgacctt taagaggcca aagctggggg atttgtggtg 360
ggttatacat ccag 374

```

```

<210> 67
<211> 371
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

```

```

<400> 67
ggcacgagct ccaatgagct actcctgaca caaatggaga agtgtgccct catggaagcc 60

```

```

ctggttctca ttagcaacca atttaagaac tacgagcgtc agaaggtgtt cctagaggag 120
ctgatggcac cagtggccag catctggctt tctcaagaca tgcacagagt gctgtcagat 180
gttgatgctt tcattgcgta tgtgggtaca gatcagaaga gctgtgaccc aggctggag 240
gatccgtgtg gcttaaaccg tgcacgaatg agcttttgtg tatacagcat tctgggtgtg 300
gtgaaacgaa cttgctggcc cactgaccta taagaggcca aagctggggg atttgtggtg 360
ggttatacat n 371

```

```

<210> 68
<211> 370
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

```

```

<400> 68
gattcgaatt cggcacgagg tgcaatggca gcccagagcgt gtacacgcac acctcctgtt 60
ctgggggagt ggtttcttgg cagcttctca agggcgaagg gtgagttttc ggcatctggc 120
cttcccttgc tgctgtgggt cgggtcattc tagcatcttg ccatcttgga tgatctgcag 180
ctgtcatctc ggcagccacc atgaactggc ctgccagtgg gttttctcgt tcccagcgag 240
gatgtggtgg tgtgtctgca gcccttttcc acagcagcga ggacctggga ggattagtgg 300
cttagcttct ttcttgtcgg ngagcaccgc tccttcctat gttccaagtc agtagcaggt 360
gtcagcttag 370

```

```

<210> 69
<211> 363
<212> DNA
<213> Homo sapien

```

```

<400> 69
tacggctgca gaagacgaca gaagggcaac atggtgaaaa ctcgatatcta ctaaacatac 60
aaaaattatc caggtgtggt ggcgggcgcc tgtaatccca gctacttgag aggctgaggg 120
aggagaatcc cttgaacctg ggaggcggag gttccactga gccgagattg caccatccct 180
ctccagcctg gggacagagt gaggttttag ctcaaaaaaa aaaaaaaagg cccaattcct 240
gggccccccc ccaaaccaac ctaaaaaatt taaaaaaa gggggggggc aaaaattgca 300
aaaccccat ttttttttgc ccgtttttgg aaaaaaatt taaaaaggcc cagtccttgg 360
gaa 363

```

```

<210> 70
<211> 148
<212> DNA
<213> Homo sapien

```

```

<400> 70
ataatggaga ctggagacag ggcaatgagt ctggtcgggg gcacgtggac atgccccata 60
ggggccccac ccagacttaa caggcaaggt cctgggcatt gcgcgacgca ggactcaatg 120
ctaaagcaag cctgcctggc tctgtgcc 148

```

```

<210> 71

```

<211> 360
 <212> DNA
 <213> Homo sapien

<400> 71
 ctaatacaga caggggtctta ctatgtttct catgttggtc ttgaactcct ggtctcaagc 60
 agtcctcctg cctcagcctg tcaaactgcc aggattacag gcatgagcca ctgagctcgg 120
 tctatatctt tcttgatcat agttttataat acaaagtgtt agacaatgta ctgttatccc 180
 ccatatcaaa agaaggcatc attatgatgt cactgcagga aaacatggaa tgaaccctag 240
 tgcccacttg aaggggagaca gtcatacatc tacactctcc tttgtccttt gatcgtgtag 300
 tgtaccatat ctgcttttagg cataccagtc tatcttcaga gaccaggaag atataacagg 360

<210> 72
 <211> 359
 <212> DNA
 <213> Homo sapien

<400> 72
 tacggctgcg agagacgaca gaagggggagc ttggccttct cagacttcca ctgggagaaac 60
 tcaggggtcca attaaactcc agaaccagggt gagctgcacc ttctcaggta tcaaaacaca 120
 gggcccgcga ggcacggtgg ctcacacctg taatcccgta agtttgggag gccgaggcag 180
 gtggatcacc tgaggtcagg agttcgagac cagcctggcc aacatggtga aaccgcttct 240
 ctattaaaaa tacaaaaaat tggcctggca tgggtggctca tgctgtaat ccagcactt 300
 tgggaggccg aggcggggcgg atcacctgag gtcaggagtt cgagaccagc ctcaacatg 359

<210> 73
 <211> 360
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(360)
 <223> n = A,T,C or G

<400> 73
 ggcacgaggg atnnnaatgg ccacaaatac cactacatcg acgacctggg ggtcatcctg 60
 ccccagaacg tctgggagca cctgtacaac agattcgggg gtggccccgc cgtgaaccac 120
 ctgtacgtgt gctccatctg ccaggnggag atcgaggcac tggccaagcg caggaggatc 180
 gagatcgaca ctttcatcaa gttgaacaag gccttcagg ccgaggagtc gccgggctgc 240
 atctactgca tcagcatgca gtgggtccgg gaggggaggg gttcgtcaag ggggaagacaa 300
 cgagcccccc gccccatgac acagcagatt gccagtcaaa gaagcggcat gtcagcttaa 360

<210> 74
 <211> 350
 <212> DNA
 <213> Homo sapien

<400> 74
 ggcacgagct gcagtgaagt gtgatcatgc cactgcacac cagcctgggc aacagggcga 60
 gaccctgttt caaaaattaa aagaaaaaaa taaatgcaga taccagggtc tggcttaaac 120

```
<210> 75
<211> 353
<212> DNA
<213> Homo sapien
```

```
<210> 76
<211> 350
<212> DNA
<213> Homo sapien
```

```
<210> 77
<211> 631
<212> DNA
<213> Homo sapien
```

$$\begin{array}{ll} \langle 210 \rangle & 78 \\ \langle 211 \rangle & 227 \end{array}$$

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(227)
<223> n = A,T,C or G

<400> 78
ggcacgaggg taatctaact gcctgtggnc gctccctctg gctcttcaat gagacgacaa 60
gatgccccca ggcctgaggg aagtcctgcg gccttttctg ggctcctcct gagtgggtata 120
cgggaccaat taccggagag ccatattcat cttcatcaac aactcgggtg gcgagcacat 180
aaaccaagtg gcattggaag cgtgacacaa ccaacgggtac cgcaatg 227

<210> 79
<211> 223
<212> DNA
<213> Homo sapien

<400> 79
ggcacgagag atagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag cgccagcaca ctctcttggg ggagaccccc 120
ctctctctcc cctctctgtg gggggcgctg gtgtttacac agaccccccc tctctctgtg 180
tgatatattt tttcacacag agtgagagct ctctctcttg gtg 223

<210> 80
<211> 217
<212> DNA
<213> Homo sapien

<400> 80
ggcacgaggg ggcaatgggc acctccggga ctcagccctg tgctgagccc cgggcagtgt 60
gatcatcctg gcccttctcg tgcacgtccc ctggctggat gctccttgct gccctcacgg 120
ggtgtgtgtg tggcatacag gacagggacc ggccagtgtg ccctgctcat taaccacttg 180
tccccacagg gcagtggcgg cctcacctct gcaattc 217

<210> 81
<211> 215
<212> DNA
<213> Homo sapien

<400> 81
ggcacgagcg gaaacaaagc ccagggaaga tgtctccatg accagtgtgt aacccttttg 60
gaaagaaggg atactgataa aaattcctgc tggtatttcc cacagaacag agtctcacgt 120
taaaccaggg aggtccaccg tccttgtgtc tgggttgtaa atacatgact ccagttcttt 180
gctcatgcac aggtttgaaa gagaagacgt ggacg 215

<210> 82
<211> 209
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(209)

<223> n = A,T,C or G

<400> 82

```

acgttcanna ccgagccccc tcccatcatc acacagtgc cctgggctct gcagcccctt      60
gcctccattg cagccgcagc aagaggcctc cacttgtcg tcagggacgc tccaaggaaa      120
gaaaaagccg cccccggaca tgagagacca ctgtgttctc tgtgggcagg gaaccccaga      180
gcttctgcag agccaacact ganggccgg                                     209

```

<210> 83

<211> 188

<212> DNA

<213> Homo sapien

<400> 83

```

cgttgctgtc ggtgaaatcg aatctgtaca aatgagtgc aaaaagccag gaagaaagct      60
cagggccatt agagatgact ctgaaagcat tgaagaaagt gatacaagga gaaaagttaa      120
atcaacagag ggctgggcac taaggggtcc tgtcttttta gaagtgcag actcagctgg      180
aagaattc                                     188

```

<210> 84

<211> 443

<212> DNA

<213> Homo sapien

<400> 84

```

ggcacgagga acagcctggc caacatagtg aaaccctgtc tctactaaaa atacaaaaat      60
tagccgggca tgggtggcat cacctgcaat cccagccact caggaggctg aggcaggaga      120
atcacttgaa tccgagaggc agaggttgca gtgagcaaag attctgccac tgtgctccag      180
cctgggtgac agtaagactc tctctctcaa gagaaaaaaaa aaatatatat acacacacac      240
acacacacac acacacacac acacacatat atatctctct ctccaagtgt ttagtatgca      300
taaaattttg cgggaggaaa aggtataacc tttctcaaat aattaactaa atggatatgc      360
gccatctatt caatagtttg tgtttcttcc cctctgaaat gctacttcta catttattat      420
aaatactatg tgagcatgtt tct                                     443

```

<210> 85

<211> 427

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(427)

<223> n = A,T,C or G

<400> 85

```

ggcacgagcc tcaaggcagt tcaagcaatt ctctgcctc agcctcccga gtagctagga      60
ctacaggcgt gtgccacctc tcccggctaa tttttttagta ttttttagtag agacgggggt      120

```



```

tcaccgtggt agccaggatg atctcgatct cctgacctcg tgattcacc cctcggcct 180
cccaaagtgc tgggaattact ggcgtgagcc accatgcccc gcctcanata tgtttttaaa 240
aaatatcatt gtcctcctcc tcttaagatt ttttaagtat tttgctcaag tacttaagta 300
gtctggctca agtactttgt ttacaattaa aatggatatt atagcattta atagaagaaa 360
tggttatggc ttatccaaaa aaaattcagc atgacctggg gagacttana aactacttgt 420
tgtgata 427

```

```

<210> 86
<211> 436
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

```

```

<400> 86
tcgaattcgg cagcaggcag cctcaacctc ctaggctcaa gggatcctcc cacctcagcc 60
ttctgagtag ctgggaccac aggcctcac caccatgccc agataatttt tgcacttttt 120
gtataggtgg ggtttcggcg tgatttccca ggctgggtctc gaactcctgg gctcaagcaa 180
tacacctgcc tcagcctccc aaaattctga gattacaggt gtgagccgct gcacctggcc 240
aaagtgttct tatttttgc ttttcaacgc cacatctacc tggagcatcc tctttctgat 300
aagtctcatg gacttcctat ggcattgcaag agaggccacc cctatgctga gctgctnggg 360
aagagccang angacngatc cngctgtacc ttagggtgta gaagtgtgaa agaccactca 420
gacctgctt tgctgg 436

```

```

<210> 87
<211> 431
<212> DNA
<213> Homo sapien

```

```

<400> 87
tcgattcgaa ttcggcacga gatttctatg gataggaggt ttatttggtc cattatgcga 60
agatgatggg aagaaaagct gtatgtgcag atgcagggtga atttgtagat atattagaag 120
gaagatgaca ggcagtgatg gagtggtgaa gagctcaaac attagacagt actgggtctg 180
agttctgact ctgccttttg caagctgtgc aaccataggc cagttatgaa accttagtta 240
tcaagttata actaatagga ttgtgttgaa cacgaaatga catgataaac atatgtaaac 300
tgcttgatc agttgcccac tagctcttgt taggagctaa aatgttagct cttgctgagg 360
ggctgtcaaa tggcttctgt ttctcatgga gcagaaatct ataaggatcat ccactggtag 420
tgttgggaga a 431

```

```

<210> 88
<211> 430
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

```

<400> 88
 atccccgtcgc ttcaaattcg gactgaagat ccagcgagac acattttgtaa ttccagtttg 60
 gggatggtag ttgcaagcac ctaaacagtt tgccaaggaa tgtttctcct gagtttggtc 120
 cttgtgaagg tgaaggaggc tttggtttgc acaagaagaa agacctactc agtgataatg 180
 gttctgaatc acttccgcac tcagctgcat acccctttct tggaacctta ggaaataaac 240
 cctcacctag atgtaccctt ggtccttctg aatcaggatg catgcatata acctttcgcg 300
 attctaataa aagacttggt ttaaaagtat ataaatgcaa tccactaatg gaaagtgaag 360
 atgctgcatc tgagaaaagt caaggtttgg gatgtcagga acctncataa aagatgaagg 420
 gacctagtgg 430

<210> 89
 <211> 432
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(432)
 <223> n = A,T,C or G

<400> 89
 aattcatcgc gaggacttcg gcacgagctg tactgggggc tatattttca cctgtcgaca 60
 tgttgacacat cttatgggtg gtaaaaaacac acatccaagt ttgtggccag atataattag 120
 caaatgtgcg aaggtaacct tcacttatac agagtctctg cctactcctg acaattgggt 180
 ttccattgag ccatggctta aagtgtccaa tgaaaatcta gattatgcca ttttaaaact 240
 aaaagaaaat ggaaatgcgt ttctccagg actatggcga cagatttctc ctcaaccatc 300
 tactggtttg atttatataa ttgggcatcc tgaaggccag atcaagaaaa tagatgggtg 360
 tactgtgatt cctctanacg aacgattgaa aaatatccan acgattgtca agatgggttg 420
 gtagatctct an 432

<210> 90
 <211> 430
 <212> DNA
 <213> Homo sapien

<400> 90
 atagactttc tgctgatctt atcgatgaga atacggcacg aggtcaaaac ggactcactc 60
 cctgaatgca ggctcagggc catcaaccag gctgacgctc caggaggcac agtgggtggt 120
 tctgggtccac gccagcgtg gaaatcatag tgggtgacat gtactctgct tgggcattgc 180
 ggcagcatcc gtgcttggac ctaccgcct ttggggccca cgtgggattc ctgccacatc 240
 gtctcttgc cctgcaaaga cggagcagcc cctcattggt gacaaagaaa ccaagaccct 300
 gaaggttcag aactgcccac gatggtggca ccggggcttg aaccccggtc gtggtggtga 360
 ccggcgactg gctctgcgtg aggttcctgt ggccgccacg acataagacc gcaagcgggtg 420
 tggcctgatg 430

<210> 91
 <211> 424
 <212> DNA
 <213> Homo sapien

<400> 91
 cgattcgaat tgggcaagag ctaccctcca cgggagacga agaggtgttt gtttccggct 60
 ccaccccacc tcccagctgt gccgtgcgga gctgcctctc tgccagtgcc ctccaggctc 120
 tgacccagtc tccgtgctg ttccagggga aaacaccttc ctctcagagc aaagacccca 180
 gagatgagga tgtggatgtt ctccctcca ctgtagaaga ctctccttc agtcgcgctt 240
 tctccaggag gcgccccatc agcagaactt atacacggaa gaagctcatg ggaacctggc 300
 tggaggactt atagccacaa acattactga gcccacaaaga tcaaggagtc agccaggacc 360
 cctgtgacat aaagaagttg atgcctgtcc ccagcctcta tttgcatggc cagtggtcag 420
 aatg 424

<210> 92
 <211> 427
 <212> DNA
 <213> Homo sapien

<400> 92
 gattcggcac gagccagggg aaggccaggc ccaccgagag ctgcagatcc tgcccagggg 60
 ccctgcattg tccaggaggc agggagagga ctttctgcta cacaagagta ttgacgtaac 120
 aggtgaccca aagtctctga gacccaagca gaccttgag aaggatctga aggaaaacag 180
 ggaagagaac ccaggactga catccccaga gcctcagctt ccaaagagtc ccacagatct 240
 ggtgagagca aaggagggga aggaccccc caaaatagcc tctgtgaaaa tggatgatgct 300
 gacacacctt ctgcctgcgt tgtggagaga gaaagctcga ctcacagcgg gacagaagag 360
 acgctctgaa tctgagcagt cccaaagaaa gcaaacagat gcctcctcat ttccaaagaa 420
 gaggctg 427

<210> 93
 <211> 424
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(424)
 <223> n = A,T,C or G

<400> 93
 cgattcgaat tgggcaagag gcaatgcccc ttcatcgatt ctcagtcctg gccctgctag 60
 tgatgcctcc gctgatgaac ggaaggcagg tgcaggtaaa agagtgggtg ttttggaaac 120
 cctgaaggat actgcagcag ggcagaacgg gaaagtcagg ctctttccca gcgaggcagt 180
 gatagctgag ggcatacctaa agtccacgag ggggaaatct gactcagatt cagtcaattc 240
 agtgggtttc gacacacctt ttgtggcgct cacttaattt gtgcctatat ttgtatgagg 300
 tcataattta atctggctcat atttaacttt gtgtgtgggc tgcaaataaa cagcaggaca 360
 gaaaatgtgt tgttttgtct tttgaaatac accccaaatc tttaaaatga ttggtaggaa 420
 atgn 424

<210> 94
 <211> 404
 <212> DNA
 <213> Homo sapien

<400> 94


```

tttttttttt gaaaggggttt aaaaacctaa taacttggtta agggaaaccg gggaaaaaaa 300
gggggttttg gaaaaattcc cccgggcccc aattttaagg gggacaaaag gtgggctttt 360
aatggtaaag ggaaatttg gaaaaaaaaa gaaggacca acccgggggc ccc 413

```

```

<210> 98
<211> 405
<212> DNA
<213> Homo sapien

```

```

<400> 98
tcgattcgaa ttcggcacga gatcaagggg ccaccatgtg ccagccactg aagtagatat 60
aaatacaagg atgtgtaagg tatggatgat ggtatacgaa ctgtcatctt actggatttg 120
tccgctctgt taaagatacg gttccgaaaa ctttttaaaag ccctagagag ggctttaagg 180
caatgtagca tcatatatag aggcacaaac ctgttcatat ctttctatct aacagaactg 240
tgcacctggg cacaaggggtg tgcacaacag gatgtgtaca gcagcactgt taaagtgtag 300
cacatccata ctacaggatc ttatgcaact gttggaaaga atgaagcgat gctgcactgt 360
ggtcacgcag tgatctctaa gacatattaa ctagaaagca aaagg 405

```

```

<210> 99
<211> 405
<212> DNA
<213> Homo sapien

```

```

<400> 99
ggcacgagga aaaacaggaa tactttaaca attaaaaaga aaaaaatggt ttttgtttgc 60
caaggactca ggaaaataaa aagcattttc tatttttagg acaaatacaca aatgaagtgt 120
ctaactggct attactgttt acccatataa aatatgctgc taaagtacat attttgctgt 180
caatggcttg acaatttttt ttttcaaatt tggacatgag aggttatata gggactatat 240
tatccaacac atattttctt attttgccac aaatttccac ttaacaaata aaaaaaggcg 300
aatgctgttt tgcaatcaga aagtgaattt cttttgtggt agcgtacacg tggttcatgt 360
ggttctccac gtttaagcac aaaccacagc acaggaagcc acacc 405

```

```

<210> 100
<211> 409
<212> DNA
<213> Homo sapien

```

```

<400> 100
ggcacgaggt gcggaggtgc gtgcctataa ttccagctac tccagatgtt gaggcaggag 60
agttgcttg acccgaggag tggaggggtgc agtgagccgg gattgcgcta ctgtactcca 120
gcctgggcaa cagagtgaga ctccgtctcc aaaaaaaaaa aaaggggggt aaaaaccttt 180
gaaaatggac cccggttttt aactttttat tggaaatcct aagggggggt tccgggtttt 240
aaaagaattt tccaaaccca cccaccgccc ggggaaaatc gacctttttt ggcaaaactgg 300
aaacattttt ttttctggac ccccgggggg ggggggggga atttttcctt aagacccttg 360
gggggttttg gggcaaaaag gccttggtta tgccacccat aaaaaccgg 409

```

```

<210> 101
<211> 414
<212> DNA
<213> Homo sapien

```

<400> 101
 ggcacgagct aggaggacct tgaagagaaa tgggatcagc ccgccaaacc aagaagggtt 60
 agcacttttg ctaggagagc tgaccacgca caaacagatg agaaccaaaa ccgagtgaag 120
 aggattgaag atgaaccac attttaaaag ttcttgtctg ctggagggtg cattacctgt 180
 gacctcgctt cacttctcca tacatggctg ttatatgcag aaaatccagc tttctgaagc 240
 atatttcacg acatatgatg agacttatgt gatgtgagac ctgagaaaac tatgatagaa 300
 agaagcaact cacgttgcaa ggatattcct catgtatcat gcaaggatat tcctcatata 360
 tcatatttga acattctaag agatttctca taaagctgat attcataatt tgag 414

<210> 102
 <211> 409
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n = A,T,C or G

<400> 102
 ggcacgagga gtatggaccg tgtgtctcca ggctcctgac ataggggtcat gaattagggc 60
 cgagtgggag cgcagagccc ctcccagtc cccggcagca gaagcagccc ggcttttgga 120
 ggacattgtc tcctggagca gtgtcagtc caaaaggtaa ctacagccctg cttctctcgg 180
 ctacaggggtg acagtgcct gggaatgact tctacaacgt aattacgaat tctactcagtt 240
 ttagaatata tttagtagtc tcagaatcgc taattcatac ccccatgaaa agcaaattta 300
 ctacctaaag tacagtactt **ggatacaggt** ctttttgtct ttactcttat ggnatttagt 360
 caaaatactg ttttccaaag ttgcttacc cttttcttcc ctaccactg 409

<210> 103
 <211> 404
 <212> DNA
 <213> Homo sapien

<400> 103
 cgttgctgtc ggacgggtcc accatgttag ccaggctggt ctcgaaactcc tgacctcagg 60
 tgatccacgc acctaggcct cccaaaatgt tgggattata ggtgtgagcc acctgcctg 120
 gccgggagca gcattcttaa ggaattcaag acacaggaag aacacttgcc tttagtggga 180
 gcaagacaac gcagtgtggc agaagacaaa gaatgggggc acaagtgcaa ggtgaattgg 240
 aggtagaata taggacttaa ctttctgacg gcttctgttt tctcagtga gtctgaggca 300
 aggccggtga cttaaacaaa gaaggggtag tggataattt caggaaagat ggacacttca 360
 ccttgagcaa caggacaagg aactgagtaa ctgggaaaca aggt 404

<210> 104
 <211> 408
 <212> DNA
 <213> Homo sapien

<400> 104
 ggcacgagat aagttttacc ttttaaacat ccggctgcct gtgaatgaga agaagaaaat 60
 caatgtggga attggggaga taaaggatat ccggttggtg gggatccacc aaaatggagg 120
 cttcaccaag gtgtgggttg ccatgaagac cttccttacg ccagcatct tcatcattat 180

```

ggtgtggtat tggaggagga tcaccatgat gtcccgaccc ccagtgtctc tggaaaaagt 240
catctttgcc cttgggattt ccatgacctt tatcaatata ccagtggaat gggtttccat 300
cgggtttgac tggacctgga tgctgctgtt tggtgacatc cgacagggca tcttctatgc 360
gatgcttctg tccttctgga tcatcttctg tggcgagcac atgatggg 408

```

```

<210> 105
<211> 412
<212> DNA
<213> Homo sapien

```

```

<400> 105
cgttgctgtc ggtcaaagca gactataaat ttggtttgtt ttgatttcaa gtttcctgaa 60
acttggtctt tcagattgcc cccagttctt ttattctgtg gggttcctgt ggggtctttt 120
ccatggggct gatccacact cacagctaca tgccttacgg gagggcaccc ctcccctaga 180
atcttcatcc tctagattgg tggactttgt gaaatagaca tgatggtaac tgctgtaatg 240
ggggctttgg taaggaacgc agcagagggc cacacaacag gagaatcccg tgttcttgtt 300
ctagccgccg catagagaat acggccttta gcacacagag ctacacaggg gagctacatg 360
gggagaaaagc gtgtgtgttct gcggcatgat aagtgtgccg ccaaagcctt ca 412

```

```

<210> 106
<211> 407
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

```

```

<400> 106
tcgggtccatg tggcttgtgg ggnnactcat ttctttcatg cccactgggg aaggttccac 60
cagcaaggct gttactggcg gggctctctg ggaggggggc aagaaggcca gccacaccaa 120
ggcactggag ctccacgact cctggccttc gattggaggg cctctctctg cagctctgcc 180
ccttgggggg caccaggcag gactgccagc cgctctcctg gcaggtgaca tcagccttca 240
agctcaactgt gccctcacca tttcatgctc ccccaaggtc ctggtcatgt cttctcttgg 300
gtatcttccc aggacaggca ctggcactgg agccctggca cttgtttctg ggttccatgc 360
tccccagggtg tgatggtgaa tgccgagtgt caacttgact ggattgc 407

```

```

<210> 107
<211> 416
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

```

```

<400> 107
attcgaattc ggcacgagcc aggggaaggc caggcccacc gagagctgca gatcctgccc 60
agggtccttg cattgtccag gaggcaggga gaggactttc tgctacacaa gagtattgac 120

```

```

gtaacagggtg acccaaagtc tctgagaccc aagcagacct tggagaagga tctgaaggaa 180
aacagggaag agaaccacagg actgacatcc ccagagcctc agcttccaaa ggtcccaca 240
gatctggtga gagcaaagga ggggaaggac cccccaaaaa tagcctctgt ggaaaatgtg 300
gatgctgaca caccttctgc ctgcgttgtg gagagagaag cttcgactca cagcgggaac 360
agaggagacg ctctgaatct gagcagtccc aaaagaagca aaccagatgc ctctn 416

```

```

<210> 108
<211> 405
<212> DNA
<213> Homo sapien

```

```

<400> 108
ggcacgaggt ctggtagcac catgtgggag ggaccagct gggcgcagcg cctgtggcc 60
ttttagatcc agacctccct gccggatgcc ccgaggcggg aggcgggctg tgctgcagga 120
acctatctcc agatgccaaa ggacttgagg ggcagctgac aatcgctgtg tcccggcaga 180
tccgcagctc gaaaaagaac aagccacaga aacgggctcg ctctgcccag gacacagcag 240
tgtctttcaa aaaatcaaaa ccagaagttt tatcagcagc aggaaggatg tgggactctg 300
tccaagtaca ccgtcaccat caagccactg gctgtggaag gagtttggcc aacagggtca 360
gtgtcacagc cacaacttca gagagcagcc atcccgcggtg tcgcg 405

```

```

<210> 109
<211> 410
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

```

```

<400> 109
ggcacgagggc ccggttctcg gacgtgagtg caactggggc taggtcatcg ggcggcaccc 60
tgcacagagc tcctggggcca gcctgcgcca gggatgctgc tgagctggga gccgccatgc 120
ctggccttgt ttctggacca ctgggagcag cactgcagcc caggggagct ggagtccagc 180
ttggagcagc cacaggccca gggagctgta gcaagagggg agtccaaagg cagatgccag 240
acaagacaca gccaggaacc cggccaggct ccccccacatg cccctcaggg cccaggcctg 300
agtgagtgtc gctcagatgt gactgagagg gatgacctcc ttcagcaggg cagctcctaa 360
aaggctgcgt gcangtgcgt gtgnggggag atgccacact gtgtcggggg 410

```

```

<210> 110
<211> 409
<212> DNA
<213> Homo sapien

```

```

<400> 110
ttcgaattcg gcacgaggga acacgttcag gggattgtga ggtcttgac aagccacgtg 60
gggcaccttg gcttcccggc aggaggtgga caccagcca gaggcctggc tcaaggtgac 120
cttaccttca ccatgggctt tctgggtgcg cgggcctgag cgcaggttgt tttgtacata 180
ttggaatatg tgtaactta tgccccgat cccaactcac acggaagcac ggtcttgctc 240
tcagtctctt cgctgcattt ggaaaacagt ctactctcgg gccagcggcg ggctgatgtg 300
tacagaggcg gctgcagctg gcatttccct cagcccccaa gtgtccatcc tggcacttcc 360

```


409

<400> 111

ggcacgaggt	ggattactgt	gtggccgatg	gttttcagga	acagctgaat	caatgtgctg	60
agctgctgga	gaaattggaa	aagctatttc	tcaacggaaa	atcagttgga	gtggaaatga	120
acaccagaa	tgaactgatg	gagaggattg	aggaagacaa	cttaacctac	caacatcttc	180
tgctgaatc	tcctgagcct	tcagcctctc	atgcgctctc	tgattatgaa	acatctgaaa	240
agtccttctt	ctcacgagac	cagaagcaag	ataatgagac	agagaagact	tcagttatgg	300
tgaacagttt	ttctcaagac	ttactaatgg	aacacataca	ggaaattcga	actttgagaa	360
aqcgtttaga	agaatctatt	aaaacaaatg	agaagctacg	gaaacag		407

 $\langle 220 \rangle$

```
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G
```

<400> 112

ggacacgagcc	ttgcaggtccc	acccacact	cagccttggtg	tccctcgatc	cagtctccga	60
cttccatttc	ccaccctaaa	cgcctaccc	ggtgtctgtt	ccccgccgg	ttgtctctgc	120
cctgctgctg	tgagtgtccc	ctgttagcct	cgaccccatg	gcgctgcaga	cgtctgcagag	180
ctcgtgggtg	accttccgca	agatcctgtc	tcaattcccc	gaggagctga	gtctggcttt	240
cgtctacggc	tccgggggtg	accgccaggc	agggcccagt	tcagaccaga	agaatgctat	300
gctggacttt	gtgttcacag	tagatgaccc	tgtcgcattg	cattcnaaag	aacctgaaga	360
aaaattggag	tcaactactct	ttcctaaaaa	gtttaggccc	aagaatatca	cg	412

```
<210> 113
<211> 411
<212> DNA
<213> Homo sapien
```

<400> 113

cgccggccgc	cctgcgtacg	ctcgcaaggc	gctcgcagac	tccggagtcg	ccaacatgtc	60
gaccgccatg	aatttcggga	ccaagagctt	ccagccgcgg	cccccgaca	agggcagctt	120
cccgtctgat	cacttaggtg	aatgtaaaag	ctttaagag	aaattcatga	agtgtcttca	180
taacaataat	tttgaaaatg	ctttgtgcag	aaaggaatca	aaagaatatt	tagaatgcag	240
gatggagaga	aaattgatgc	tacaagaacc	attggagaaa	ctgggatttg	gagacttgac	300
tagtggaaaa	tcagaggcaa	aaaaatgaat	tttgatgaga	agacccctgg	gccgtgttca	360
gtggtctctc	aggacggagg	gcatactcct	gcctcttagg	ttggctgagg	c	411

$$\begin{array}{ll} \langle 210 \rangle & 114 \\ \langle 211 \rangle & 420 \end{array}$$

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 114
ggcacgagcc agaacataag gggcctaaag agagaggaag caaaaaagat tatattcagg 60
aaaaacagag gagacaagaa gagcagagga aaagacattt agaggctgcc gctctgctga 120
gtgaaagaaa cgcagatggg ttaattgtag ctagtcgttt ccacccact cccctgctgc 180
tgtctttgct ggactttgtg gccccttcaa ggccgtttgt ggtctactgt cagtacaaag 240
agcctctggt ggaatgctac acaaaactgc gggagagggg aggggtcatc aacctcaggc 300
tgtctgaaac ctggctcaga aattatcagg ttttgccaga tcgaagtcac cctaaactgc 360
tgatgagtgg aggtgggggt tatcttctct ccggcttcac cgttgccatg gacaaccttn 420

<210> 115
<211> 422
<212> DNA
<213> Homo sapien

<400> 115
ggcacgagat ctggtccgaa ttccaacat gaccctatag gagtttgcca acggcgctgc 60
ccagtcagac atcctgactc tggaggagac ccacagcatc ttctgtgggt acacggccac 120
caacaagccc cgctggact ttcccctgac caagaggaag ggctcgccc cgcagaggtg 180
ccaccgattc cagtcttctg cctaccgcag caaccagtgg cggtagccgc ggcgctgcga 240
cagcatccag tttgcagtgg acagaagggt atttattgca gggctgggccc tgtatggctc 300
cagctctggg aaggctgagt acagcgtgaa gattgagctc aagcggctcg ggggtggtct 360
ggctcagaac ttgaccaagt tcatgtcaga cggatccagt aacaccttcc cggctcgggt 420
tg 422

<210> 116
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 116
ttcgaattcg gcacgaggtg accttttaaaa agcaaaaaaa ccaaaaacca accaaccaaa 60
caaacacaaa aaaacaaacc cacaaaaaat gaaaaaacag ctacttctga aacacataaa 120
agtatcttga tcttttaaaa acaggtcctg aaactacaga tccattgctg agactactcg 180
aaaaactgta aaacatgggc attattttta ttcgtgaaca actgaaaaga ttcaatggag 240
tgccatgtgg tcattttagt atgtgagtca aagcagaata atagggaaac attaaatctc 300
tcctttacag tttaagaggt tgaaagcaaa aggaaagtct gaaaaaagaa caggggaggt 360
ttggttggtg atgttttttg tagaactggt n 391

<400> 117

```
<210> 118
<211> 385
<212> DNA
<213> Homo sapien
```

cgttgctgtc	ggttccccctc	cacagactgt	tcccttgcca	gaagcacctg	gtaagcctct	60
gcaagtccctc	agaactagaa	agattagaaa	gagagagaga	gaacacatgt	ggatgatacc	120
acagtcagtg	agaagggact	ccaagctcat	gcctctgggg	gatggcctca	ttgccatctc	180
tggatccaga	gggcacatta	ttagcagttc	tattcagaaa	aagggctaga	gagcaggggc	240
aagaaatcat	gcttgcagtt	gctcttgagg	gcagatgtat	tagtttgcta	gggctgtcat	300
aagagagtac	tgcagattgg	gtgacttaag	cgacagaaat	ttcttttctt	acaattctgg	360
aggctagaag	tccaagctca	aggtt				385

<400> 119

cgttgctgtc	gggctgctta	acacattcct	atgctacaaa	agacagtgt	cctctccagg	60
aaccaccaa	taaattcaga	tactaatgcc	aaaaagaagg	cagcatcagc	ttgggaaaag	120
agtgccttta	aggcactgtt	tctctctatg	aaggcagtgt	ggaatgatag	ggatgatcta	180
cgacctagag	gagagacctt	aagtcttact	tgcagccaaa	agccttcaaa	cctgagctag	240
ccagaactgt	tacatcagaa	ttctcaccca	tgacaagaag	cctggaggga	gtccagggtt	300
gatggattga	cttaaggtgt	catcaaaagc	ttagacttta	cccttctgct	gcaccaccct	360
tattgccttg	ttgtcacaag	agga				384

<400> 120

cggtgctgtc	gaaatatctg	aaaactaaac	ttgaattaac	tcttaataca	aacagtactt	60
tgaaaaatgca	gcatttaacc	ttgtttttaa	atttttttct	caaagcattt	ttttccagcc	120
actcacattt	taaaagggtg	tattactttt	agttagaact	gaaagggctc	aactagcatt	180

```

tgctgtgacc agtatgcgga gtctgtgttg gctttccaga attgactttt tgggttgat 240
tggcaaatca cagtcctaaa tgatgaatgt tgaatgatgc actatgtttt tgtttaaatg 300
agatttcctg aaaatagtta atttcagaat taagggaaat tgatgtcgct atcatgaggc 360
atcataaaaa tatgtatttt acaaggtgaa ggcatt 396

```

```

<210> 121
<211> 402
<212> DNA
<213> Homo sapien

```

```

<400> 121
ggcacgaggt gaccttttaa aagcaaaaaa accaaaaacc aaccaaccaa acaaacacaa 60
aaaaacaaac ccacaaaaaa tgaaaaaaca gctactttctg aaacacataa aagtatcttg 120
atctttttaa aacagggtcct gaaactacag atccattgct gagactactc gaaaaactgt 180
aaaacatggg cattatttta attcgtgaac aactgaaaag attcaatgga gtgccatgtg 240
gtcatttttag tatgtgagtc aaagcagaat aatagggaaa cattaaatct cttctttaca 300
gttaaagagg ttgaagcaaa gggaagtctg aaaaagaaca gggaggctgg gtggtaatgt 360
ttttgtagaa ctgggtatct tgtcgattta gaaggggctt tt 402

```

```

<210> 122
<211> 391
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

```

```

<400> 122
ggcacgaggg caatctcatg tgcatttaac attcttaaaa cgaaacagta gttgacaaaa 60
tttttcttct taaaaaattg gaagtggggg gaatccaatg acaaaaacta atgtggcttg 120
tttctggaga aaataattac tgtaaattga acaacaacaa caaaaaaac tacgatctta 180
ctgactttgc ctaaatacac aagcagctga tgtactatta atgagaacga aatacacatt 240
acgaaaaatgg agccatttca atctaattgt tagggcaaga tggggaagag aaggggaaac 300
attctagttt ctggattaca ttattatgcc cctcctgaaa aggggtggtg catttgcatt 360
tatttanagc aggtaatatg caggaatgta a 391

```

```

<210> 123
<211> 388
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

```

```

<400> 123
ggcacgaggt taaggattcc aatttaactt tgaaaagaac tgtctcattc atttacattt 60
ctgttacagt cagcccagga gggttacagt agctctccac taagaatctg gaagaaatgc 120

```

```

atcactaggg gttgattccc aatctgatca actgataatg ggtgagagag caggtaagag 180
ccaaagtcac cttagtggaa aggttaaaaa ccagagcctg gaaaccaaga tgattgattt 240
gacaaggtat tttagtctag ttttatatga acggttgtat cagggttaacc aactcgattt 300
gngatgaatc ttacggcacc aaagactaag acagtatctt taagattgct agggaaaagg 360
gccctatgtg tcaggcctct gagcccaa 388

```

<210> 124

<211> 396

<212> DNA

<213> Homo sapien

<400> 124

```

cgttgctgtc gggcctctga agtcttttagt ctacgggaaa ataagtaaaa cctgcccaca 60
tgcttgatgat ggtattggaa tatttcagtc ctttgagaag aacacttcac tttgaacctt 120
acgggctatt ttccagactg tccaaatatg atttgtttcc tctcaccatc atttccagta 180
cctgtcccca agtggttgaa tatagacatt gatatgccct gatttttgct ctacttcaga 240
aaggatcggg gatgtagttt agccctctag gagcttggaa ctaatttggt tgtctatttc 300
ttgtttgctt ccaagctgct tattatgtgt tacaggtagc agctacagct gaaggccatg 360
gtgaattgct ggtgatgtaa atactcccag cctgt 396

```

<210> 125

<211> 400

<212> DNA

<213> Homo sapien

<400> 125

```

gaattcggca cgagagctgg ggctagaaaa atgaataaga ttgggttcct gaccccagcc 60
caggctcaca ctgtagtaaa gggaaacaga catgaacact aggtgacatg gagtgtagg 120
ggcgctatgg tagaagtctg cagagagtgc aatgggcgtc caaatgagga agtgatcact 180
tgcacaagag tgggaggctt ggctggaaag gcttctctga ataggatgac atttgatctg 240
tgttttgaag ggcctcgttg gcaaggtaag taatccaatt aaaggagggt gcctcagcta 300
aagcacagta tgctcaaagg tgcggatcat ttgaaaattt gagttcaagt gcagtagggg 360
taaggtaagt atccaacaga attttctaca atgatggaat 400

```

<210> 126

<211> 393

<212> DNA

<213> Homo sapien

<400> 126

```

ggcacgagag ggtgtgtaca tgtctctgta gctactgaag ggaaggaaca cttttccctg 60
cctggaagtg ccagcttagg cttcatagca ctgcgtgggc tggctagtag gaattatcaa 120
cttgctgggt gatcttgaag gatgattaac aggtatgttt atagcagcac tattcacaat 180
agcaaagact tggaaccaac ctaaagtgtc aacaacgata gactggatta agaaaatgtg 240
gcacatatac accatggaat actatgcagc cataaaaaat gatgagttca tgccttttgt 300
agggacatgg atgaaactgg aaaccatcat tctcagcaaa ctattgcaaa gacaaaaaac 360
caaacactgc atgttctcac tcataggtgg gat 393

```

<210> 127

<211> 389

<212> DNA

<213> Homo sapien

<400> 127

ggcacgaggt attaaaagaa ttcttggaag agcagcgatc agattatgaa gaatttgtct	60
tgagaaatta cagaggattt aaaccataat gtttaggaata gttattctat caagatgaat	120
gtggaaagtg ttagtggtgca tgtgatgagt cttgaagctg gaaactaggt aacaggttct	180
taaatagttc atgtgaaaat catgacagac taaggcaatg gctgtggggc tgtccgggag	240
ttctctacag aaaacatcta aaacttgaat gtgcaagtga gtagctaact tccaagcttc	300
ccatttctgt ataatttaag catgaaaatg agaacactga gatttgatag gcatgtagaa	360
gtcagagtaa gcaagagggc ttgagttca	389

<210> 128

<211> 382

<212> DNA

<213> Homo sapien

<400> 128

ggcacgagag aacaaaatgc tatgggagtg tgggggttgc gggggggcac ccaagccagc	60
cttgggagtc aggaaagact tcctggagaa aaatactttg acttttgaag tagttgactg	120
gaagttggcc aaagagcgag tgaagagaag ggtgtttcag gcaggcagaa tagcacgttt	180
acctggacac cccaaaggaa gtggcggtgtg tgtgtgtgtg tgggggtgtg tgtgtgtgtg	240
tattttcggg taggatgaag agctgtgatg aggggtgggc tgggtgagact agatcataag	300
ggactgtata aggagagtgt acatatgtct attgtccctg cataacttatt accagcaacc	360
cccttcactc tcaaaagggt cg	382

<210> 129

<211> 397

<212> DNA

<213> Homo sapien

<400> 129

gatcgattcg aattcggcac gaggagagag atgagagaga gagagagaga gagagagaga	60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga	120
gagagagaga gagagagaga gagagagaga gagagagaga gagagcgctc tctctttttc	180
tctctctcac tctctctgac aaaacacaga gagcgctctc tctctctgtg tgttcttttt	240
tttttgaggg gggggtgtat ttttatatcc ctctctctct ctcgcccca aatatagaga	300
gagtgtgtgc tctctctttt tttttttgtg gagagacaca ctctatactc tccgcggcgc	360
gagcgcgctt tttttttttt tttagcgagat atattttt	397

<210> 130

<211> 386

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(386)

<223> n = A,T,C or G

<400> 130

cgttgctgtc ggttttagccc ttgttgccctg ggctggagtg cagtgggtgcg atctcagctc	60
--	----

actgcaacct	ctgcctcctg	ggttcaagca	attctcctgc	ctcagccttc	ctagtaggat	120
tataggcgcc	tgctaatttt	tttattttta	gtagagatgt	ggtttcaggg	tgttggccag	180
gctcgtttcn	aactcctgac	ctcangcaat	ccacttgccg	tcatecttcc	agactacagg	240
tgtgagccac	cgcgcctggc	taggaattta	ttgataaaga	tctttatgct	aacctcaata	300
tgagtgacaa	agattggggg	aacatagcct	gatgagggtc	ttagaaaacg	tgcccctggg	360
aaaaggaatt	tatataaaa	g	cgatg			386

<210> 131
 <211> 395
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

<400> 131						
ggcacgagga	gagagagaga	gagagagtgt	gtgtttgaga	gagagagaga	gagagnnnna	60
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	120
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	180
gagagagaga	gagagagaga	gagaccccc	ccctctctct	ctctcttttc	tctcgggggg	240
gggccccccc	cctgtgtgtg	tttccctctc	tctcgagtct	cactgtctct	gtctctctct	300
ctatgtataa	acccccctt	tttttttccc	cccccgccg	cgcggttttt	tttttttttt	360
atccccacaga	gagcgcgcgc	gcccccccc	tctct			395

<210> 132
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 132						
ggcacgagag	agagagagag	agagagaact	agtctcgaga	gcagtttttt	tttttttttt	60
ttcaaaaaaa	aggggttttt	ttaaaaagac	atatgggtcc	gggcccgaagc	ccctggaatt	120
taccaaattt	ttttttttaa	gggcaaacc	tttccacaaa	aaaaggggtg	gccatagggg	180
gggcccgaac	ctttaataat	cccggggaat	ttaaaaccaa	aatcccttag	ggcttggaat	240
ataattgtgt	cccaaaaaag	taaggggggc	cccctatgag	ggctcttaaa	aataaaaaca	300
accttttact	ggggctgaaa	aaaaaaaacg	gttttatggg	gggggggattt	ttcggaatat	360
aaaggtcggg	ctccgggaaa	tatttgg				387

<210> 133
 <211> 394
 <212> DNA
 <213> Homo sapien

<400> 133						
cgttgctgtc	ggttccccctc	cacagactgt	tccttagcca	gaagcacctg	gtaagcctct	60
gcaagtccctc	agaactagaa	agattagaaa	gagagagaga	gaacacatgt	ggatgatacc	120
acagtcaagt	agaaggggact	ccaagctcat	gcctctgggg	gatggcctca	ttgccatctc	180
tggatccaga	gggcaaatta	ttagcagttc	tattcagaaa	aagggctaga	gagcaggggc	240
aagaaatcat	gcttgcaagt	gctcttgagg	gcagatgtat	tagtttgcta	gggctgtcat	300

aagagagtac tgcagattgg gtgacttaag cgacagaaat ttcttttctt acaattctgg 360
 aggctagaag tccaagctca aggtatcaga agag 394

<210> 134
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 134
 ggcacgaggc tatgcaagca gttctcattc ttaatatcag ctgagattgg acaaactggc 60
 aactcttgca gatactttta tcatgtgtat gttagtggga ctggtgatgt ttagctgatt 120
 tactcatact attggtgctt ctcatgtatg gaagaatttt ttttttagt gcattatccc 180
 ggtcaatgtt tgtttaaaaa aaaaaaaca gttttgtttc cagggggggg ctctttaaag 240
 ggaggttttg gggcccttct ttggaaaatt gaaacaaatg ctggtgaggt tggcagtttt 300
 tatttatggg agggaacaga gagacccttt ctctctctc tcttattcat cgggcaggat 360
 aatctagttg ttttgaattt aggg 384

<210> 135
 <211> 399
 <212> DNA
 <213> Homo sapien

<400> 135
 atcgattcga attcggcacg aggcactatg aaaggggaagg aaacgcttca gggctttgta 60
 actgacatca cagcaaagac agcagggaaa gctctgtcac tgggtgattgt ggatcaggag 120
 aaatgcttca gtgctcagaa tcctccaaga agaggggaaac agggagcaaa taaacagacc 180
 aagaagcagc agcagagaca accagaggcc agcatagggt ccatggatc cagggtagac 240
 gctgaagagg cattggtgga tctgcagcta cacacagaag cccaggtcga aattgtgcag 300
 agctggaaaag agctggccga cttcacatgc gcattcacaa aggctgtggc tgaggcgccc 360
 ttcaagaagc tccgagatga aactaccttc tccttctgg 399

<210> 136
 <211> 399
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 136
 cgttgctgtc gatttgcact gccaaaggag gctctggagg ttaaagtatg tgttttaatt 60
 tcgttggtga ggccatataa tgcagagttg acggaccgac cttatgagtc accttggagc 120
 ggagtagtgg agacttaaag acagactacc ctggagctgg cttcaaacta gttcttaata 180
 ttgtgactcg aactcccat cccagaaat tctcagatct tataagccaa agactggcaa 240
 ggatactaga gggaactact cgagtaggcg aggtcagact acataccgaa taggagtcct 300
 tccaaaaata tgcagtttca catacagctg ggtactccaa gtgtacagtt cccatcagct 360
 ctaatatgac agaaggctga ggccggngtg ctagagaaa 399

<210> 137

<400> 137

```
<210> 138
<211> 398
<212> DNA
<213> Homo sapien
```

<400> 138

```
<210> 139
<211> 402
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G
```

<400> 139

```
<210> 140
<211> 382
<212> DNA
<213> Homo sapien
```

<220>
 <221> misc_feature
 <222> (1)...(382)
 <223> n = A,T,C or G

<400> 140
 gcctacggct gctagattac gacagaaggg tccatggcag tgaggcgggt acacaggtgt 60
 atatatatgc gaaaattcac cacttccact taagatctgt tgacattatt ttatgtatgt 120
 attcttccgt gaatttattt atttatttat ttttttgaga cagggctctg ctctgccgcc 180
 caggctgagt gccnactcc tatccacccc cctttgaaga gtctccctcc cgggctgaag 240
 agattctcct gctgaactg tgctattctc tgggaccgca gtggtgtgtc ccatccacac 300
 ctcaactttc acgttcatag aagagacggg ggtgcccctc tgggtcccgc tgtaaaatac 360
 tcctgtgcta aattatacaa ac 382

<210> 141
 <211> 383
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 141
 cgttgctgtc ggttggaagg tgtagggaaa tcctgctgga actggtgttt cagagtaaatt 60
 cttttttctc tccggaattt cttgttttgc tattaacaaa ttatatattac ctgattatga 120
 aaaattaatt ttccttatac attttcccct tacaacacta gaaaagagca ccttgttaca 180
 gttccggcct ctacgtatgt gggctaaatg ccagcattag ggaattcatt aatcatgaga 240
 ctaggctaca aactaggctt gcttgttttg ggtgngttt gttgttggtg ntgntggtgn 300
 tgntgttgnt tccaaatctc tactgccttt tgaggaaatg taaatctgag acatggaaat 360
 aagtgttttg gagaatggaa aag 383

<210> 142
 <211> 399
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 142
 cgttgctgtc ggttcccctc cacagactgt tccccagcca gaagcacctg gtaagcctct 60
 gcaagtccctc agaactagaa agattagaaa gagagagaga gaacacatgt ggatgatacc 120
 acagtacgtg agaagggact ccaagctcat gcctctgggg gatggcctca ttgccatctc 180
 tggatccaga gggcaaatTA ttagcagttc tattcaaaaa aagggctaga gagcaggggc 240
 aagaaatcat gcttgcaagt gctcttgagg gcagatgtat tagtttgcta gggctgtcat 300
 aagagagtac tgcagattgg gtgacttaag cgacagaaat ttcttttctt acaattctgg 360
 aggctagaag tccaagctca aggtatcaga agagttggn 399

<210> 143
 <211> 399
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 143
 cggtgctgtc gaaaagagac acaaaatctt acagaagttt caaaggaagg acagattgca 60
 tctgatacat aagaaaggaa aaactacatg aagaaggtag aactggacac ttggcagtgc 120
 cctgggctta gatgtctatt cttttanaag atggaggctg ggcagtggct cacacctata 180
 atcccaaccc tttgggaagc cgagacagga ggatcacttg agcccaggag ttcaagacca 240
 gcctggacaa cacagtgaga ctctgtttct ttaaaaaaga aagaaaaaga gtatggagga 300
 tgtgtcttca ggcaggcaga tacacaactg aaaactttct agaaaggcct tgaggaatga 360
 attgttcttc gacagaagat gggaaagagg tcattctca 399

<210> 144
 <211> 395
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

<400> 144
 ggcacgagcg ggcgtccagg ctggagctcc cagtgtctgg aagccaagac ctgagcgata 60
 tcccattgcc ggaaccatct ttgcttctgc tcacaccctc ctggtcggcc attcaatcaa 120
 caaactctag ccagccccgg ctctgtgcta ggcttgagct cagcccagca ggggtgcagag 180
 cccatcctca ccaggcccca cctctcgggt gccaaaggcg gtgggtgccg gggggagaag 240
 atggatggac gacagttctg tgatgagatc tgaaattcat tacggggtga gatcagctcc 300
 ttaaattggg atttgaaaac attagggctt cattatgtac acaacggcag tgcctcattc 360
 atcatgcaaa aatcactccc gttattaaaa atccn 395

<210> 145
 <211> 391
 <212> DNA
 <213> Homo sapien

<400> 145
 cggttctgtc gggtccccctc cacagactgt tccccagcca gaagcacctg gtaagcctct 60
 gcaagtcctc agaactagaa agattagaaa gagagagaga gaacacatgt ggatgatacc 120
 acagtacgtg agaagggact ccaagctcat gcctctgggg gatggcctca ttgccatctc 180
 tggatccaga gggcaaatTA ttagcagttc tattcagaaa aagggttaga gagcaggggc 240
 aagaaatcat gcttgacgtt gctcttgagg gcagatgtat tagtttgcta gggctgtcat 300
 aagagagtac tgcagattgg gtgacttaag cgacagaaat ttcttttctt acaatttttg 360

391

[illegible]

<400>	147						
gaggc	gaggtcagcc	tcaaactacc	ggaatatata	tgtcccagat	gtgaatcagg		60
ttgaa	gaagtgcag	atgattccag	ttttttaggt	ggtggcggca	gtcggataga		120
ccaca	acaacacatt	ttgcagagct	ttggggccat	ttggatcaca	cgatgttttt		180
atddd	agaccctttc	taagtagcag	tccactggac	caagataata	gagccaatga		240
gtcac	cagactcaca	ctgacttctg	gggagcaaga	cctccacggg	tgccattggg		300
gatac	agatctcgag	gaagttctcg	tcttgacaga	tctccagcta	ttgaaggaat		360
aacac	atctttgcag	gattctttgc	g				391

<400>	148										
ctgtc	gggcgtggtg	gcgggcgctt	gtagtcccag	ctactcggga	ggctgaggta						60
atggc	ttgaacccag	gaggcggagc	ttgcagttag	ccgagattgc	accactgcac						120
cctgg	gcgacagagc	aagactccgt	ctcaaaaaaa	aaaaaaaaag	gggaaggggt						180
aaaaa	aaacctggcc	caagccaaaa	aattttttaa	gggggcttcc	ccgggtgggg						240
cttaa	gcccaaaaac	cttttttttg	ttaaaggccc	tccaaaacat	ttggaaaaaa						300
ggttc	gggccaaaat	tctaagcccc	gtttttttta	gcaggggaaa	catatccgga						360
gggtg	cacagaaaaa	atttttttga									390

$\langle 210 \rangle$	149
$\langle 211 \rangle$	389

<212> DNA

<213> Homo sapien

<400> 149

```

ggcacgagat gtcgttgagc aacctcccca gcggtcagac tttcctttgg cagccccaga      60
aaatgctagt accggtccag cccatgtcag gggacgaact gcagtagaaa ctgacttgac      120
ttttgggctg actcctaaca gaccttcact ttctgcatgt agctctgaag ctcccggaaga      180
gagatccggt agaagactgg cagacagtga gtccctgggc catggagctc agagaaatac      240
agatttggaag aggaagatt caataagcag aggaaggagg tcaccaagca agccggactt      300
cctctacaaa aagtctgcc tctgagagca acctccaagt cgtctgtgcc tgagatgtga      360
aacatcccat tttatgatgt aacccaaca                                     389

```

<210> 150

<211> 398

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(398)

<223> n = A,T,C or G

<400> 150

```

ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga      60
gagagagaga gagagagagt ctttaacgct ctgggggtcta cacatatata gccacacata      120
cttagacaca ttgatgagtg ggcggacact ccttagcttg cgtagagaga aatgggttct      180
ttatgagaaa cgtgtgtaat tctctctctg tataggccta ttataattgg agaaacatat      240
gtgtatcacc gcccgcgcac attttttata ttattgcttt tctgaggggg gtgtgatgtg      300
agtntcatta cacatcgagg acctatgcag gactcactac attgtataat agctatgatc      360
tatagtgtctc aaaatgttga agtatcttag agtttaaat                                     398

```

<210> 151

<211> 395

<212> DNA

<213> Homo sapien

<400> 151

```

cgttgctgtc ggccagactc catagacacg gagaagatca aactggagct gcgttcatag      60
gctggcactc tcaatcctac atcaggtgcc accaccacca gactcaggct ctggtgtaag      120
aagcggccaa gtgcctggac ccagaggctt tgcaggacag tgttctcagg agctgggcct      180
gaggcttagg agagctgcct tcgctgcagg aaatcaggga ttatccctta acagaagtgt      240
ctggagtagt tttcaggtat aggaatgaga tgctctgtgg tgaaaggatc tcaccctggg      300
aagatgtggg gccccctcca gggctctgga ggatggatgc ctccccccagg ggctctccaa      360
gctgggcatt tgggcctggg ggatgccaac ctgga                                     395

```

<210> 152

<211> 395

<212> DNA

<213> Homo sapien

<400> 152

```
<210> 153
<211> 402
<212> DNA
<213> Homo sapien
```

```
<210> 154
<211> 384
<212> DNA
<213> Homo sapien
```

```
<210> 155
<211> 383
<212> DNA
<213> Homo sapien
```

<210> 156

<211> 398
 <212> DNA
 <213> Homo sapien

<400> 156
 ggcacgaggg ggcgcggggcg cccctgcact agtcggaaaa aaccgagagg tttctcttct 60
 cagggctgag tcaccagcac gcaggagaag agggcggaagc ggccaccgc gttctgtgtt 120
 cggagtcagg acgagaagca ttgggtggga gcagggcgag gggctcgagt tgggtctgca 180
 gcgggcacag gacctagttt tgtacagtta acggtggggg tgagtaaaga agggggccgg 240
 tggggaggat gaaagctccc tttatttctt tccccagcga ccaggaggaa gctttcgttg 300
 aattgagcgc cccttgcttc gatagcaggc cgaagaggga gctcattggc agccgttgct 360
 aagaagtcga gatcttctag aaatgtacga accgagga 398

<210> 157
 <211> 391
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(391)
 <223> n = A,T,C or G

<400> 157
 cgaattcggc acgaggagta tggaccgtgt gctcccaggc tcctgacata gggtcattgaa 60
 ttagggccga gtgggagcnn ggagcccctc ccagtcaccc ggcagcagaa gcagcccggc 120
 ttttgaggga cattgtctcc tggagcagtg tcagtcccaa aaggtaactc agccctgctt 180
 ctctcggtc agggttgaca gtgacctng aatgacttct acaacgtaat tacgaattca 240
 ctcatgttta gaatatattt agtagtctca gaagcgctaa ttcatacccc catgaaaagc 300
 aaatttacta cctagagtac aggacttgga tacaggncct tttggcttta ctcttaattg 360
 atntagga aaacacctgt tccaagggtg c 391

<210> 158
 <211> 391
 <212> DNA
 <213> Homo sapien

<400> 158
 ttcgaattcg gcacgagggg actcggccca gaagccgagg gactctctag gctgccgggc 60
 gctggctcgtc agcgcggagg ctgggctgag gcgccgcggt accatgaggc gccgcagtgg 120
 ctgaccgagg agccaaatac aaagaaatta agaagacct gggtcgagag aaataactga 180
 agccatgaaa gcatatttct tcaatttcag tagagagagg agctgctgga ggaaaaggaa 240
 ccagaaaaat ggtacttaag agattatggc atcagaaacc cacaatgtta aaaaacggaa 300
 cttttgtaat aagattgagg atcatttcat tgatcttctc agaaaaaaga tctctaattt 360
 cactaataag aacatgaagg aggttaagaa g 391

<210> 159
 <211> 389
 <212> DNA
 <213> Homo sapien

<400>	159							
gcacg	agaagaaaat	agaaacccag	aaaacaaaac	aaaataaaaac	aaaaccatca			60
gtgag	tggaaactaa	ggtgatgatc	tgggagcaat	acactaaaat	cttgtgtcga			120
atatg	aaggctggca	gtggagctaa	acctggacat	gctgaagaca	agggagctga			180
ggctc	ctacatgaag	cagggataac	tgatggcagt	aaatgtggtc	tcaaattgca			240
cctgg	aggaaaattt	cccaaattta	gagcctcagg	attcccaaag	atcctccaaa			300
gctca	caatcaaaga	tcagagacgt	tgaagaataa	aaaacacctt	aagtggcagc			360
aaaca	qctaatttat	gaccccaag						389

<400>	160						
gagaa	gaaaatagaa	accagaaaa	caaaacaaaa	tacaacaaaa	ccatcagaac		60
gtgga	aactaaggtg	atgatctggg	agcaatacac	taaaatcttg	tgtcgagacc		120
gaagg	ctggcagtg	agctaaacct	ggacatgctg	aagacaagg	agctgaacca		180
cctac	atgaagcagg	gataactgat	ggcagtaaat	gtggctctca	attgcagatg		240
gagga	aaatttacca	aatttagagc	ctcaggattc	ccaaagatcc	tccaaatatg		300
acaat	caaagatcag	agacgttgaa	aaataaaaaa	caccttaagt	gggcagcata		360
cagct	aatttagaac	ccca					384

<400>	161						
ctgtc	gggctgccca	cagggtctgca	ggcactcggg	acgccgctaa	cgcggcgagg		60
cgggtg	cgtctcgcg	taccagtgcg	aatcatcggg	ctatccaggt	ccgagatcct		120
cctgt	cggctctgag	gaggatggat	ccttctgcgg	atacatggga	cctcttctca		180
aatat	cattatggat	aaacagggtt	tacatttatt	tgggctttgc	tgtagcatt		240
ttgga	tttgtgtcca	gattgtcatc	aagacgcagg	gcaagaactt	acaggaaaaa		300
tccaa	aagcagctca	ggatttgatg	acaaatgggt	atgtctccct	tcaagagaaa		360
cctttg	tgtctggagt	gaagattttt	tatg				394

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<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G
```


<400> 162

ttcgaattcg	gcacgaggag	cctgtggctc	cccctgcggg	ctgctcagcg	gcgtgcacag	60
cccaaccaca	cacctgcagg	cccgctggc	ccttcagca	accctgttag	taacggcaaa	120
gaaacccgga	ggagcagcaa	gagatagcag	tattttagcc	actgaacttc	agtggagggt	180
ggtgagcagt	gtccttatcc	accctaattc	catactccct	cattgtccag	ctgaactacc	240
tgtcccctgg	gagtcaggac	cctctggctg	ctctctttcc	tctttagaaa	tggcaagtac	300
ttgcttggcg	cagtggctca	cgcttgaatc	ccagcacttt	gggaagccga	aggggcggat	360
cacctgaggc	ggaagtcagg	accgctcgac	aan			393

<210> 163

<211> 398

<212> DNA

<213> Homo sapien

<400> 163

ggcacgagga	aagaaggacc	agccccttga	cgttctggc	tggggaattg	tccacgagga	60
agcctctgca	cttcacaca	tggcacagtt	ctgcctgtga	cctgccgcct	aagctttact	120
ggaattcagg	ttttgagact	gagatgcgtg	tgcgtatttt	tccacttata	tgtcttgtca	180
gctggccgac	ttctctgtga	ttgggttttt	aagtgcggg	tgaatttttg	acctctggat	240
gtgcagcaag	tttttatgca	ataagccttc	ctttcaggtc	tctaaaagct	cctgctctga	300
tctgtgggtt	aacactgtgc	agggctgtgg	agctctgaga	gacctgaacc	cctacccatc	360
ccctgcacct	ccctactctc	cctgccgagg	cgtccatt			398

<210> 164

<211> 388

<212> DNA

<213> Homo sapien

<400> 164

ggcacgaggt	gaagacaaga	aaggggcact	attttaacac	aaccttttcc	cgtgatcacc	60
accgaaaatt	actgacgagt	caatcacctc	agatctctca	agcagtcag	cctacgcaac	120
agtactccac	ctctgcgcct	gtgcggggag	ggtaaggcgg	ggccagcaac	ttcctcagct	180
ggagggagag	cgcacggtgg	agccgccagt	tgagaaggac	tctgatccgg	ctcagctttc	240
caatcagctg	cggaaggagc	cacgctttcg	gggttgcaa	gatggcggcc	accagtggaa	300
ctgatgagcc	ggtttccggg	gagttgggtg	ctgtggcaca	tgcgctttct	ctcccagcag	360
agtcgtatgg	caacgatcct	gacattga				388

<210> 165

<211> 386

<212> DNA

<213> Homo sapien

<400> 165

gattcgaatt	cggcacgagg	aagcacctgg	aaaagagtaa	gaaaaattag	aacgcaagtt	60
tttcatgctc	tctgatttcc	ttaaggcagt	agtaaccaa	cttcaaggga	gacacctaaa	120
tagcaaaagt	ccccaaatgc	tgagtgttct	agagctcaa	caagccatga	gacaccagcc	180
agcagttatt	cgtgtacact	actcctggcc	acagcctgca	agcacactag	cactgtgaag	240
gtcgggtggc	actcagcaca	gtgtttccag	aacagcaact	ctgctgtgca	acttgggcta	300
cgtcatctca	ggctacaatt	gccatcctga	ggcgaggcct	gacgatcaca	cagaactcaa	360
ggcagcaatg	atcattcatt	ctctta				386

<210> 166
 <211> 394
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = A,T,C or G

<400> 166
 attcgaattc ggcacgaggc caccocgtgg gggcgggggg cacagacact acaccctca 60
 ggcctgttaa atttccaagc ctccccagaa gccagcctc ttctgccaat tctggaaact 120
 tcaaccactc gcctcattca tcgggcgggt ccagtgggat aggtgtgagc cggcacggtg 180
 gggagctgct taaccgctca ggtggcagca tagacaatgt cttgtcccaa atcgtgccc 240
 agaggaaaaa agcagccgga ttattggagc agaaacccag ccacgggtca agccctgggtg 300
 ggccagcacc ggggtccagc ccgtctgagc ttccagccct ccctgcaggt gcagcgctcc 360
 tgttggcaag aaattgagac cagcaaaagc ctcn 394

<210> 167
 <211> 395
 <212> DNA
 <213> Homo sapien

<400> 167
 ttcgaattcg gcacgagatt gggtagcggg ccggggggcct gcaggacagc gacaccgagg 60
 atgagtgttg gtcagatact gaggcagtcc cccgggcgcc agcccggccc cgagagaagc 120
 ccctaattccg cagccagagc ctgctgtgtg tcaagaggaa gccaccggtg cgggagggca 180
 cctcgcgctc cctgaaggtt cggacgagga aaaagactgt gccctcagac gtggacagct 240
 aggggtctgct gcactctgcc cttcttacc tcgtgccctg cagggctcca gggctatttg 300
 gagggacctt gggctgcaca tctggcctgc ctgcaccagc tgcttgggccc ccacctcct 360
 gactcctgct gatggttaaa ggccgggagc agatg 395

<210> 168
 <211> 386
 <212> DNA
 <213> Homo sapien

<400> 168
 cgttgctgtc gggagcggcc acgagggctc cagagagagc catgtggagg gacctaggcc 60
 agcagctgac ccagggctgg tgactccaag atcatgactg ccccagagag gatgtcagag 120
 gcaggagggc cgatggcagt tccacagatg gcctcagagc acctgctctg ggccagggcc 180
 cccactggg tgctgagcag agagtgggtga acaggcccgg gcagcaagct caactctgcc 240
 tgcacgtggg gctctatcag ctgctgacct caggcctacc ccacaccagc tacatcaaaa 300
 tctttgtagg tggaacctag ccttgaaaac ctttgtctat ttttattttg tttgagacgg 360
 agtctcgecc tgctcatccag gctgga 386

<210> 169
 <211> 383
 <212> DNA

<213> Homo sapien

<400> 169

ggcacgaggg	cgaaagatgc	cgaaggggtgg	tgcagagaag	tcacctggaa	tgtggctcag	60
agaaccacgc	aatgccctgg	ggtctcccta	ccccgtgcag	gtcagtgagg	gcacccgccc	120
atgcaacccc	agggggccagc	cacgtcgggc	cacatgtgct	ggggctgtgt	gtgccagaga	180
acgggctgtg	agtccctgtc	tcagctggct	cttgtgtggg	actcctgagc	caggaagcct	240
ccggctaagg	aagccccgcc	ttagcctgga	gacgaccctc	acgtccgtcc	ctcacgtctg	300
tcctctggca	agtgtctctc	actgtggaga	gggcagctgc	tgacctgcag	caagccaggg	360
ggcggatcaa	gatttgtgcc	aag				383

<210> 170

<211> 396

<212> DNA

<213> Homo sapien

<400> 170

attcggcacg	agtggaggcc	ccggagaccc	caggagagcc	accactttct	cctgggttct	60
gaacacagcc	caggtgggaa	caatgctgcc	cctcatgatg	aagtggcctg	tgtggcttga	120
gcgccccata	gtccccagtc	agagcagagt	ggtgtcccca	gatgacttca	gacccccatag	180
ctgggcaaga	tgcgcttgtt	ttggactctg	cgctgagcag	aaccagctcc	cccaactcct	240
gcagatagag	aactgacttc	cgagagctgt	aggtgaagtg	aggaccaggg	agcagtccag	300
agctgtgagg	ccccaggccc	agaggaatgg	aatgaagaaa	gacctgttcc	acacaaggag	360
gggttttcta	gtggaagctg	agcttggaag	ctcctg			396

<210> 171

<211> 390

<212> DNA

<213> Homo sapien

<400> 171

ggcacgagga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagcgcgcct	ctggcacact	120
ctctctctct	acacactctg	tctgtgcgcg	ctccacactc	tatataccgc	acacacgctc	180
agagtgtctc	cgcgcgcgcg	cgcgccaaga	cactctagtg	cgcgcggtatt	tgtgcgctct	240
ctctctcccc	ccccacgcgc	gcgccacaaa	actctctttt	tggcgctctc	tggcacacac	300
actctcttct	ctatgcgcac	tctctctctg	agtctctctc	tcttatatat	acccgcgcga	360
tacatatctg	tgtgcgagac	tctgtgtgcg				390

<210> 172

<211> 399

<212> DNA

<213> Homo sapien

<400> 172

ggcacgagct	accctccacg	ggagacgaag	aggtgtttgt	ttccggctcc	acccacacctc	60
ccagctgtgc	cgtgcggagc	tgcctctctg	ccagtgcctt	ccaggctctg	acccagtctc	120
cgctgctgtt	ccaggggaaa	acaccttcct	ctcagagcaa	agaccccaga	gatgaggatg	180
tggatgttct	tcctctccact	gtagaagact	ctcctttcag	tcgcgctttc	tccaggaggc	240
gccccatcag	cagaacttat	acacggaaga	agctcatggg	aacctggctg	gaggacttat	300
agccacaaaac	attactgagc	ccaaaagatc	aaggagtcag	ccaggaccct	gtggacataa	360

agaagttgga tgcttggtcc caagcctctt ttgccatgg

399

<210> 173
<211> 396
<212> DNA
<213> Homo sapien

<400> 173

gaattcggca	cgagcccagt	ggtgccaggg	cagagtcccc	ctccctgacc	tgacttgtgc	60
acctcgtcac	ccaccgccag	cagtgtcccc	ccacaacagg	cttgctcagt	acagcaccca	120
acccaagtc	ccagcaccca	caccccagtg	agtttcctgt	gccctatagg	ctcagctgct	180
tctcgctct	cccccaattg	ggatccttgg	aacagggagt	ggttcttatt	taggtccctg	240
aggtaccaag	cacaggcttt	gctcttagca	gccgccactc	cagtgatgaa	gccgttagca	300
gactggcctc	tgcagagctc	tgcggggagg	tgcttggttt	ctccggcctc	caccctggcc	360
cagagctgcc	tcctgagcag	cggatcccaa	cctgcg			396

<210> 174
<211> 383
<212> DNA
<213> Homo sapien

<400> 174

ggcacgagcc	caggtctctc	atgagaaact	tgtttaccct	cttagatacc	cttgagtctc	60
ttgtctgtgt	ctggtgtatt	tatttattta	gcctaccaag	atagccactc	ttcaggagag	120
ttctgaattt	ggaaagaagt	taggatcagg	tgtgttggtc	aagtgagaca	cagaggaggc	180
caactcaaca	aacctatgaa	ataccagaag	cagtgaagtc	ctcgcaggtc	cagagagaag	240
agggcagcac	gctggactgg	gggagccgtc	aggacccttg	tgctcgccag	caggtgggga	300
gcaagagaga	tggagtgtgg	gccctgagag	ctgaagcctt	tatgggggtc	aggccatcac	360
cccagcaggt	tccaagaag	ttg				383

<210> 175
<211> 386
<212> DNA
<213> Homo sapien

<400> 175

ggcacgaggg	caagagattc	tccactgcta	tgggcctcac	aagagccgga	tgggggttgc	60
cgaaaggcag	cagaagctga	ggtctcagta	tttctttgac	tgcgcctgtc	cagcttgtca	120
aactgaggca	cacaggatgg	ctgcagggcc	caggtgggaa	gcattctgtt	gcaacagttg	180
cggagcgccc	atgcagggag	atgacgtgct	gcgctgtggc	agcagatcct	gtgcagaatc	240
cgccgtcagc	agggaccacc	tggctctctg	gttacaggac	ctacagcagc	aggtcagagt	300
ggcccagaag	cttctcagag	atggtgaact	aaagcgagct	gttcagcggc	tgtcgggggtg	360
ccagcgtgac	gccgagagct	tcctgt				386

<210> 176
<211> 383
<212> DNA
<213> Homo sapien

<400> 176

catcgattcg	aattcggcac	gagtgacaat	gttgtcctcc	tggtcatctg	tgcaccactt	60
------------	------------	------------	------------	------------	------------	----

```

gacagactgt agcttctctt gctctcgacc ggccctgcat tcttcgcac cctccctagc 120
tctgaaatca actctcttcg gtcgtatcca ccttgcaccc gcaagtcaag ccgccccttg 180
tagaaaaatc cctccacctt ccgttccccg ctaggtcaac cccactgtag acaggaaagc 240
cagggcagga gagtccgaat gagaatttat tgtgaatcga ttccaagct cccttccggg 300
acaagtggtc tgggacaggg aggagcaacg gccccagcgc gcaacgctct gcgcgttcct 360
cccgaatccc gtcgcttctc gac 383

```

```

<210> 177
<211> 393
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

```

```

<400> 177
cgattcgaat tcggcacgag ctggagaaga ccagtaagat ctccggacctt atcagcagca 60
tcacgcagga ctaccacctg gatgagcagg atgctgaggg ccgcctggta cgcggcatca 120
ttcgattag taccgaaag agccgtgctc gccacagac ctccggagggc cgttcaactc 180
gggctgctgc cccaaccgct gctgcccctg acagtggcca tgagaccatg gtgggctcag 240
gtctcagcca ggatgagctg acagtgcaga tctcccagga gacgactgca gatgccatcg 300
cccggaagct gaggccttat ggagctccag ggtaccacgc aagccatgac tcatnctttc 360
aggggcaccg acacagactc gtcggggcac cct 393

```

```

<210> 178
<211> 386
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

```

```

<400> 178
ggcacgaggg gaaagcaaga acagcactgc tgggctggag acggcgggag ccgctgctct 60
ccggctgagg gaatcagaga cagctccgct cctagtggag cgcaggggag gcagaagtca 120
tgacaggcga ggtggattct gaggttcacc tagaaatcaa tgacccaaac gtcatttcac 180
aagaggaagc agatagtcct tcagatagtg gacagggcag ctatgaaaca attggaccct 240
tgagtgaagg agattcagat gaagagatat ttgtaagtaa gaagttgaaa aacaggaagg 300
ttctacaaga cagtgattcc gaaacagagg acacaaatgc ctctccagag aaaactacct 360
atgacagtgc cgaggaggaa aataan 386

```

```

<210> 179
<211> 387
<212> DNA
<213> Homo sapien

```

```

<220>

```

<221> misc_feature
 <222> (1)...(387)
 <223> n = A,T,C or G

<400> 179
 cggttgctgtc ggacggaagc tctgctgtg cgaccgccgc ccacccgagc ctatctgggc 60
 tgcgtcttct cgccgtgtgt ctctgtggcc caacgcccc atccttgctg gtgcttgacg 120
 tccccaccca cactcagcct tgtgtccctc gatccagtct ccgacttcca ttcccaccc 180
 taaaccgcct acccggtgtc tgttccccgc ccggttgctc tcgccctgct gcgctgagtg 240
 tcccctgtta gctcagacc catggcgctg cagacgctgc agagctcgtg ggtgaccttc 300
 cgcaagatcc tgtctcactt ccccgaggag ctgagctctgg ctttcgtcta cggctccggg 360
 gtgtaccgcc aggcagggcc gagtten 387

<210> 180
 <211> 398
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 180
 ggcacgagag agccaagatg gcaccactgt actccagcct gggcaacgag tgaaatgtcg 60
 tctcaaaaaa aagaaaggta ccggttactg agggagacat caccgtggag acctgaaggc 120
 cgatgacaga acttgaccac agggcgccgg gcagagggca cagtttggac tcgatacacc 180
 ccagggaacac agccccggag aatggatccc accagctcca gcattgctgc cccctctgct 240
 ttctccttct tttggggctc tgctagtccc gagccttccc aggtcccttc tttcctgtct 300
 ctaacaagtg tgaagctgag ccaggacctg ggagaggcag gtcctcgagc ccaagcagag 360
 cccgaggttg ggcgcaaggc agaagaaggg gttcaaaag 398

<210> 181
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 181
 ggcacgagag caccatcag taccagggt atccagccgg ccccatctgg gacccaggg 60
 atacagcctg caccacttgg cacacaggga attcactcag caacccaat caacacacaa 120
 gggcttcagc ctgcacctat gggactcag cagcctcagc ctgaaggaaa gacttcagca 180
 gtggtgttgg cagatggagc cacaattgtg gccaaccta ttagcaatcc attcagtgtc 240
 gctccagcag caacaaccgt ggtgcagacc cacagccaga gtgctagcac caacgctccc 300
 gccaggggt catcgccacg gccaaagcata ctccggaaga aacctgccac agatggaatg 360
 gcagttcggg aaacctcat tcct 384

<210> 182
 <211> 390
 <212> DNA
 <213> Homo sapien

```

<400> 182
ggcacgaggc tgcctcagcc cagtttgtgt ctcggctgct ccctgtgctg ttgagcaccg      60
cccaagaggc agaccccgag gtgcgaagca atgccatctt cgggatgggc gtgctggcag      120
agcatggggg ccacctgccc caggaacact tccccaagct gctggggctc ctttttcccc      180
tcctggcgcg ggagcgacat gatcgtgtcc gtgacaacat ctgtggggca cttgcccgcc      240
tgttgatggc cagtcccacc aggaaaccag agccccaggt gctggctgcc ctactgcatg      300
ccctgccact gaaggaggac ttggaggagt gggtcaccat tgggcgcctc ttcagcttcc      360
tgtaccagag cagccctgac caggttatag

```

```

<210> 183
<211> 397
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

```

```

<400> 183
tcgattcgaa ttcggcacga gaagacattg aatccattag aaactttgca gctgaccatt      60
ttaatcagga aatcttacct gtattcctta acgccaatag aaactggaat tctccagttg      120
ctaatttcat aatggagtca caaagactgg aattaatcag actaatggag acccaagagg      180
aagatgtggg cctactaact gctggagagc acaataaagc atgctctttg ttaggaaaaat      240
tacgactgga atgtgctgac cttctagaaa caagaggagt ggtgctccgt gaccccactc      300
tgttctcttt cttttgggtg gtagatttcc cactcttccg gcccaaggag gaaaaatcca      360
gagagctgga atcggccccac caccatttta ctgctcn

```

```

<210> 184
<211> 398
<212> DNA
<213> Homo sapien

```

```

<400> 184
ggcacgagcc ttactgtacc cggctctaggt agactcctac gggaaatgcc tgcagaatcg      60
ggagctgcct accgcgcggc tacaggacac agccacggcc accaccgagg atccagagct      120
cttggtcttc ttgtcccgtc ataagttcca cttggccctg gaaaatgcca tctgtaacga      180
ctacatgaca gaaaaactgt ggcgtcccat gcacctgggc gctgtgcccg tgtaccgcgg      240
ttctccctct gtgagggact ggatgccgaa caatcactcc gtcactctga ttgatgattt      300
tgagtctcct cagaagctgg cagagtttat tgactttcct gacaagaatg atgaggagta      360
tatgaaatac ctggcataca agcaacctgg gggcatcg

```

```

<210> 185
<211> 385
<212> DNA
<213> Homo sapien

```

```

<400> 185
cgttgctgtc gcggccggaa ttcttcccgg gattcctggg ccgagagcgg gtggctgagc      60
cgggacctcg cgtgattctc ggaacccgag gagaagcggc gtccggggct atggctgtga      120
ctctggacaa agacgcttat tatcggcgag tgaagagact gtacagcaat tggcggaaag      180

```

```

gagaagatga gtatgccaac gttgatgcca ttgttgtatc agaggggtgtt gatgaagaaa      240
ttgtttatgc caaatcaact gccttacaga catggctctt tggttatgaa ctaactgata      300
ctatcatggt cttttgtgat gacacaatca tctttatggc cagcacgaaa aaaggggggt      360
tcttgaaaca gaatgccaca ctaag                                           385

```

```

<210> 186
<211> 398
<212> DNA
<213> Homo sapien

```

```

<400> 186
cgagcccaag cctcagttcc taaactcagg ggcatacctt caaaaacctc ttagaaatca      60
gggagtgggtg aggacactgt ccagctctgc ccaagaggac atcatccggt ggtttaaaga      120
ggagcagcta ccacttcgag cgggctacca gaaaacctca gacaccatag cccctgggt      180
ccatggaatt ctcacactca agaaagcaaa tgaacttctt ctgagcacag gcatgcccgg      240
cagttttctc atccgagtca gtgaaaagat caaaggctat gccctgtcct atctgtcgga      300
ggacggctga aacattttct catcgatgcc tctgcagacg cctacagctc cctgggcgtg      360
gaccagctac agcatgccac cttggcggat ttggtgga                               398

```

```

<210> 187
<211> 386
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

```

```

<400> 187
ggcacgagga gaaagcctgc tgtgtttggc ttgttcagca gggattatg aattagcaca      60
agtattgctt gctatgcatg ctaatgttga agatcgaggg aataaaggag acataactcc      120
cctgatggca gcttcagtg gaggttactt agatattgtg aaattattac ttcttcatga      180
tgctgatgtc aactcccagt ctgcaacagg aaacactgcg ctaacttatg catgtgctgg      240
aggatttggt gacattgtta aagtgtcctt taatgaaggt gcaaatatag aagatcataa      300
tgaaaatgga catactccct taatggaagc agccagtgca ggtcatgtgg aagttgcaag      360
agttctttta gatcatggtg caggcn                                           386

```

```

<210> 188
<211> 385
<212> DNA
<213> Homo sapien

```

```

<400> 188
ggcacgaggg atggacttcg tgtagatctg ctgacgatca cttcctgcca tgggcttcga      60
gaagatcgag agccccgtct agagcagcta ttctctgata ccagcacccc tcgaccattc      120
cgtttcgcag gcaagaggat attcttctta agcagtagag tacaccaggg ggagactcca      180
tctagctttg tcttcaatgg ctttctggac ttcatcctcc gacctgatga tccccgggcc      240
caaaccctcc gtgcctctt cgtctttaag ctgattccca tgttgaacct cgatggtgtg      300
gtccggggac actaccgcac agactcacgt ggagtgaatc tgaaccgtca gtacctgaag      360
cctgatgccg tctgcacccc ggcca                                           385

```


<210> 189
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 189
 ggcacgagct gagaaaatca tagagatcct ggagagcggg catttgcgga agctggacca 60
 tatcagtgag agcgtgcctg tcttggagct cttctccaac atctggggag ctgggaccaa 120
 gactgcccag atgtggtacc aacagggtt ccgaagtctg gaagacatcc gcagccaggc 180
 ctccctgaca acccagcagg ccctcggcct gaagcattac agtgacttcc tggaacgtat 240
 gccaggggag gaggtacag agattgagca gacagtccag aaagcagccc aggcctttaa 300
 ctccgggctg ctgtgtgtgg catgtggttc ataccgacgg ggaaaggcga cctgtggtga 360
 tgtcgacgtg ctcactc acccagatgg ctggtcccac cg 402

<210> 190
 <211> 383
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 190
 ggcacgagcc tgtttgggct cttgtcattt tctcgtctg tggcactggt cagaggatat 60
 cacgggcccc ttgatttga tccagaattt taccgaattg ctacagaccc aaccatccac 120
 actgtcccag aaggcagacc tgtgaatgtc tgtgtgggaa aagagtggta tcgatttccc 180
 agcagcttcc ttcttctga caattggcag cttcagttca ttccatcaga gttcagagg 240
 cagttaccaa aaccttttgc agaaggacct ctggccaccc ggattgttcc tactgacatg 300
 aatgaccaga atctagaaga gccatccaga tatattgata tcagtaaagt ccattattta 360
 gtggatttgg acaccatgag agn 383

<210> 191
 <211> 393
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

<400> 191
 cggcacgagg tccgctggga gaccagcctg cagctgatca tggatgtcct cctcagcaat 60
 gggagccctg gggctggcct ggcaacaccc ccctaccccc acctccccgt cctagccagc 120
 aacatggatc tcctgtggat ggctgaagcc aagatgccca ggtttggaca tggcaccttt 180
 ctgctgtgcc tggaaacat ttaccagaaa gtgacgggca aggagctgag ataccagggc 240
 ctgatgggca aaccagcat cctcacttac cagtatgccg aggacctgat caggcgacag 300
 gcggagaggc gngctgtgc cgcctccatc cggaagctct atgctgtggg tgataaccct 360

atgtctgacg tatacggcgc caacctgttc cac

393

<210> 192
<211> 380
<212> DNA
<213> Homo sapien

<400> 192
ggcacgaggt ttatagacta cctccttcct ggaaaagtct cagcttcata ttctgttgaa 60
tatatgcaga attcttagtg tgaaaggtga tgtaccactt cagatcagtt ttcactggag 120
agacttgtaa ttggtagctg tagctcgat ccacccctag tcactttgcc aggatgaatg 180
ctgttgggca gcagtagcct aagttacgga aggggagcag attgaatggg gttttgagac 240
atcttctctg ataccttagc tttccttctg ctctggtcgc tatccactca gtcgtgtgct 300
agaaatgttt aacaaccagg atctctgggg tgggggtggg ggggagcgt gaattttag 360
catttgctgc aaatataaat 380

<210> 193
<211> 371
<212> DNA
<213> Homo sapien

<400> 193
ggcacgaggg ctcaagaccg atgtccttca cgctggggcg ctctggggcg ggtcttacct 60
ggcataccgc ggaaacggcg cgtcccgcca gctgcggctc cagcctggga gggagcgcag 120
cgcggggagc ctgcttcgtt tggagagtga ggaaaaggga cattccttgg aaatggacag 180
agccgagttc cttaaaggga tcgcagatga aagagaccct tttctaaatc agcaacgacc 240
tggcagcctt agttcctcaa caggagatgg ttcgaagatg aaatgtttga aactccgccg 300
ccgtttcacc tttgcacaca cgcgcacggc agggccagaa tcgcacagag acgcttacac 360
tctcccgctc g 371

<210> 194
<211> 381
<212> DNA
<213> Homo sapien

<400> 194
tacggctgcg agaagacgac agaaggggtg acttaaaaca acaaacattt attacctcac 60
cttttctctg ggtcaggaat caagttgtgg cttagctggg tcctctgact ttgggtctct 120
gacaaggctg cagctcattc aaagctcgac tggaaaagat ccactcccta gctcaaatac 180
taatggttgc tggcaggatt gacttctgct ctctgtttct cataaattct tccaccttca 240
attccttgcc acatacactt ctccatagag catctcacia catggcagct ttcttagcaa 300
gtgagggggc aagagaaggt tccagcaaga gagaggatgc tcataagacc aaagttaaga 360
gtcttttagta acctaatcat a 381

<210> 195
<211> 380
<212> DNA
<213> Homo sapien

<400> 195
cgttgctgct ggttcccctc cacagactgt tcccttgcca gaagcacctg gtaagcctct 60

<400> 198

<210> 199

<211> 376

<212> DNA

<213> Homo sapien

<400> 199

agtgagtttc	ttaacaaccc	atcagaagaa	gcaccaagaa	aacctggcat	atttcctaaa	60
acagtgaaaa	ataagcccat	tccagcctta	agagttgtgg	aagagaagaa	aaagaaaaag	120
aagaagaaga	gccgaatgaa	aaaggaagac	aatatccaag	ccaaagaaga	aaacatggac	180
acaagcaaca	ccagcatcag	taaaatgaaa	agatccagac	ccacatctga	gggctctgac	240
attgagtcca	ctgaacccca	aaagcagtg	tcaaagaaaa	agaaaaaacg	ggacagagtt	300
gaagcatcta	gcttacctga	agtcagaaca	gggaagagga	agagaagcag	ctctgaagat	360
gcagaatccc	tagctc					376

 $\langle 210 \rangle$ 200

<211> 377

<212> DNA

<213> Homo sapien

<400> 200

gtgacgagac	tttcactgt	aatccaacca	cctaagttta	tcagggtgctt	cactgaggaa	60
gcctagtttt	ttaagcacia	tagcaaaacc	atcagctgtg	tattttctcc	tgttatttca	120
ttacagttagc	tgcttggtggg	aactaggaaa	aattcttcca	acatatttta	aggcctaaaa	180
tcttagttcc	ccattctcct	accttataga	ttcacaggcc	tttctcgcc	aggcatcata	240
gataaacgta	attgtttggg	gagttgaatt	taatgaactt	atctaacttt	gtaaccctac	300
ttggcttag	taactttatc	aagggtggggg	ctttaatgaa	tataatggta	aactttacag	360
gacgctaaag	cctcctt					377

<210> 201

<211> 364

<212> DNA

<213> Homo sapien

<400> 201

ggcacgagga	aatatattatc	catgagtaca	tataacatag	atgtccagtt	tttcaagtta	60
caaaaagcag	acatgcctcc	cttttttttt	ttttttggaa	aaggggggtcc	gcctgggccc	120
ccaggggggg	caccaggggg	ggaaattgaa	ctaaaggggac	cccgcccccc	gggggggaaag	180
gaaatttttg	ggcccccccc	cccccggaag	cgggggcggg	aaaacccaag	aagcccgggc	240

```
<210> 202
<211> 379
<212> DNA
<213> Homo sapien
```

```
<210> 203
<211> 379
<212> DNA
<213> Homo sapien
```

```
<210> 204
<211> 373
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G
```

<400>	204						
ggcacgagag	agagccaggt	ccagagacac	caagctggca	accagggcag	gtgaaggcaa		60
ttctctccc	tacttaaaaa	gagaattcct	gggggagagg	ggaggcacct	tttgagaggg		120
aggggggcgg	ctagactgtg	ttcaggctgt	tctgtctctt	ggtccaggaa	tagaaagagt		180
taaccctccc	ccagaaattt	gtcagccccc	acacagcagg	gaaacattgt	tggaccctct		240
gacatgctaa	cagtgtgaca	ccggctgact	ggagctagca	gattctagac	cctggactcc		300
cccttcaaag	cccaacagga	ctcggctggg	tggtgccttt	gttcaggacc	ttgtgtgagg		360
caganatgag	agc						373

<400> 205

<400> 206

```
<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G
```

<400> 207

```
<210> 208
<211> 380
<212> DNA
<213> Homo sapien
```

<400> 208

ggcacgaggt	gaggagtttg	aggggtctga	agactgaaag	agtcgaatgg	tttgttggca	60
ggacctacaa	gaatccctta	ggatgaagct	gagtcctacc	aaggtagtta	atggctgtcg	120
cctaggaaaa	ataaaaaaac	tgggcaaaac	aggggaccac	accatggata	ttccaggctg	180
ccttctgtat	accaagactg	gtcccgcccc	acacctcacc	catcacacgc	tgcataatat	240
ccacgggggt	cctgccatgg	ctcagcttac	gctgtcatcc	ctagcagaac	atcatgaagt	300
cttgacagaa	tataaagaag	gagttggaaa	gtttataggc	atgccagaat	cactcttgta	360
ctgtccctg	cacgatccag					380

<210> 209

<211> 368

<212> DNA

<213> Homo sapien

<400> 209

ggcacgaggc	tgagggtctc	agccaggacc	tgggctgtga	ccacatcctg	gtgatagact	60
ccgggggctt	gataggtggg	gccttgacgt	cagctgggga	cagatttgag	ctggaggctt	120
ccttgggcac	tctgtcatg	ggactgagca	atgtcacctg	gatcagtcta	gctgaaacca	180
aggacattcc	agcagctatt	ctgcatgcat	ttctgaggtt	agaaaaaacg	gggcacatgc	240
ccaactacca	gtttgtatac	cagaaccttc	atgatgtatc	tgttcccggc	cctaggccca	300
gagacaagag	acagctcctg	gatccacctg	gtgacctgag	cagggctgca	gcccagatgg	360
agaaacag						368

<210> 210

<211> 374

<212> DNA

<213> Homo sapien

<400> 210

tacggctgcg	agaagacgac	agaagggata	cttttaaata	atctgtctca	cttactgaaa	60
gaaaccacaa	aacgcacaaa	atatgaaagc	taacacctgc	cctccatata	tcactcttct	120
atgtctccca	ccacaaccac	aaaactactt	ccagagaact	aaatttttat	tgacaatgga	180
aatcaaggta	aaccctggaa	tttttcctat	tccattctaa	ctttaatggg	ttagatgact	240
acagacatgt	tctcacagac	cccacatatc	tttggtacct	cctactaaag	gtagggttag	300
taaatgtccc	atccttggga	cataatttac	tcagttgatt	aaaatactgg	tcttcgccag	360
agttggtttg	gcag					374

<210> 211

<211> 377

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(377)

<223> n = A,T,C or G

<400> 211

aattcggcac	gagggcgaaa	gatgccgaag	ggtgggtgcg	agaagtcacc	tggaatgtgg	60
ctcagagaac	cacgcaatgc	cctgggggtct	ccctaccccg	tgaggtcag	tgagggcacc	120

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cgcccatgca accccagggg ccagccacgt cgggccacat gtgctggggc tgtgtgtgcc 180
agagaacggg ctgtgagtcc ctgtctcagc tggctcttgt gtgggactcc tgagccagga 240
agcctccggc taaggaagcc ccgccttagc ctggagagac cctcacgtnc gtccctcacgt 300
ctgtcctcgg aagtgtcttc actgtgagaa ggcagttgtg acctgcacaa gcaggcggcg 360
atcaagattg tgccagt 372

```

```

<210> 212
<211> 372
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

```

```

<400> 212
cgggactcag ccctgtgctg agccccgggc agtgtgatca tcctggccct tctcgtgcac 60
gtccccctggc tggatgctcc ttgctgccct caccggggtgt gtgtgtggca tacaggacag 120
ggaccggcca gttggccctg ctcattaacc acttgctccc acagggcagt ggcggcctca 180
cctctgcaat tctctgaggc tggatctagg ccaccgcccc gtttaaaaact agggcatcgg 240
ctcccagggg gggcggngag ctgcacagtt ggacttggtg gggcaggcat ggatccacac 300
agccccgngc cctccgcacc cttgccctcc agggagccca gaaggcggcg tggctgcagc 360
ctggctctgg gg 372

```

```

<210> 213
<211> 376
<212> DNA
<213> Homo sapien

```

```

<400> 213
ttctacggat gcgacaacac tacagagagg caacaattcc tgccaacaca ggaaccacaca 60
cagcgatgtg gaaaaaatct tccaaacact ccacggtagc cactactacc acatccccgat 120
ataaggtcca ccatatgcac acacaattgc agaaatctgt cctcgtttct gcactataaaa 180
taaaaatcct gaaggaaatc cagcccaccc agacattata tgggaatcac aacaacaaaa 240
gcccctggta aaaagtcact tcaaagctga atccactgca tacgcagcag ccttgtgaca 300
cagttataaaa ctcttcoccta ctacaagctc atagggcgtc ccattaccct gtggacccat 360
tatcctgggg acccag 376

```

```

<210> 214
<211> 376
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(376)
<223> n = A,T,C or G

```

```

<400> 214
ggcacgaggt tccgtagccg cgatgctgcg ctatttccag gctgcgagcg gggacttcac 60

```


tgctctgctg	tctcctgcaa	gaactggctc	aagaaatttg	cctcgaaaac	caaaaaaaaaag	120
gtttggtatg	aaagtccttc	cttgggttct	cactcgactt	acaaaccatc	caagttggaa	180
ttcctcatga	ggagcacctc	aaagaaaacc	aggaaggaag	accatgcgcg	cctgagggcc	240
ctgaacggcc	tcctctataa	ggcactgaca	gacctgctgt	gtaccctga	agtgagtcag	300
gagctgtatg	accttaccgt	gagcctctca	aggtgtcctg	actcagactc	tcagcctgcc	360
gagcgactga	aagacn					376

<210> 215
 <211> 381
 <212> DNA
 <213> Homo sapien

<400> 215						
tgcacgaggg	gaaagcaaga	acagcactgt	tgggctggaa	acggcgggag	ccgctgctct	60
ccggctgtgg	gaatcacaga	cagctccgtc	cctaattggag	cgcaccggag	gcataattca	120
tgactggcga	ggtggattct	gaggttcacc	tagaactcaa	tgacccacac	gtcatttcac	180
aagaggaagc	ggatagtcct	tcagatagtg	gacagggcag	ctatgaaaca	attggaccct	240
tgagtgaagg	agattcagat	gaagagatat	ttgtaagtaa	gaagttgaaa	aacaggaagg	300
ttctacaaga	cagtgattcc	gaaacagagg	acacatatgc	ctctccagag	aaaactacct	360
atgacagtgc	cgaggaggaa	g				381

<210> 216
 <211> 374
 <212> DNA
 <213> Homo sapien

<400> 216						
ggcacgagcc	ccctgttcct	gtgcctgctg	caggccgctc	cagggaggcc	ccgtctggcc	60
cctccccaga	atgtgacgct	gctctcccag	aacttcagcg	ggtacctgac	atggctccca	120
gggcttggca	acccccagga	tgtgacctat	tttgtggcct	atcagagctc	tcccaccctg	180
agacggtggc	gcgaagtggg	agagtgtgcg	ggaaccaagg	agctgctatg	ttctatgatg	240
tgcctgaaga	aacaggacct	gtacaacaag	ttcaaggggac	gcgtgcggac	ggtttctccc	300
agctccaagt	ccccctgggt	ggagtccgaa	tacctggata	acttttttga	gttgagccgg	360
ccccaccctg	tcct					374

<210> 217
 <211> 379
 <212> DNA
 <213> Homo sapien

<400> 217						
ggcacgaggg	atggacttcg	tgtagatctg	ctgacgatca	cttcctgcca	tgggcttcga	60
gaagatcgag	agccccgtct	agagcagcta	tttcctgata	ccagcacccc	tcgaccattc	120
cgtttcgcag	gcaagaggat	attcttctta	agcagtagag	tacaccagag	ggagactcca	180
tctagctttg	tcttcaatgg	ctttctggac	ttcatcctcc	gacctgatga	tccccgggcc	240
caaaccctcc	gtgcctctct	cgtctttaag	ctgattccca	tgttgaacct	cgatggtgtg	300
gtccggggac	actaccgcac	agactcacgt	ggagtgaatc	tgaaccgtca	gtacctgaag	360
cctgatgccg	tcctgcacc					379

<210> 218
 <211> 374

<212> DNA
<213> Homo sapien

<400> 218
ggcacgagct caagcagacc acctccttct atgccctgct cacctgcggt atcatcatcg 60
ggggcttctg gcttggtgtg gaccaggagg gggcagaagg caccctgtcg tggctgggca 120
ccgtcttcgg cgtgctggct agcctctgtg tctcgctcaa cgccatctac accacgaagg 180
tgctcccggc ggtggacggc agcatctggc gcctgacttt ctacaacaac gtcaacgcct 240
gcgtcctctt cctgccccctg ctctgctgct tcggggagct tcaggccctg cgtgactttg 300
cccagctggg cagtgccac ttctggggga tgatgacgct gggcggcctg tttggctttg 360
ccatcggcta cgtg 374

<210> 219
<211> 358
<212> DNA
<213> Homo sapien

<400> 219
ggcacgaggc ccctcttcca gccccagca gttgctgggc aaagtggaga atctgtgtgg 60
ttgggggaga gagaacacag tgatagtaga actttgcac agaacttagt gctgtcaaca 120
ttggatggaa ctcaactgat gccaatagag ggagtatttc aataagccct agtcagaagg 180
aaatttccca tccagaggtc tgaacttgag ttttggcaag ccttgccact gtgaactaat 240
atgatacaga gtcttaaata aacttgaaag acagtctagg ccacaaactg caatttcctaa 300
gctagtccca gtactgttct gggctcagag ccagtgaagt tgggggcata tgatcaag 358

<210> 220
<211> 361
<212> DNA
<213> Homo sapien

<400> 220
tacggctgcg agtgacgaca gaagggaccc ttaaggagtt ttgctaccac ccatacggca 60
actgtctctc ccgttagacc tgggggcctc aaccttgacc cccatatgta gttggtgggg 120
gaggcagagg tggctctctg gcagggatac aggacaaaaa actgtgtttt caciaagtat 180
aaggagtttt actttctaga gtgcccccca tcctactttt gactctgatt aaaaattacc 240
tatgagactt tgtgccttaa aaaataattt ataggccggg cacagtggct cagcctgta 300
atcccagcac tttgggggac caagggtggg ggatcatagg tcatgagatc gagaccagcc 360
t 361

<210> 221
<211> 351
<212> DNA
<213> Homo sapien

<400> 221
cgttgctgtc gcggggactt ggacgtttct catagacaag gaactaattt ctgtgattac 60
tactcctggg attccctaac tcagaacaca cattcagggt catctgccac agggtcattc 120
taagggtgtg cttaagttac tgctatcagg gcacttgccc tacagtagtg tcaggcattt 180
tgctgtatt tgcattccact gtgtctcagc taactgcgtg tgtttggcca agttatttag 240
taataccttg tagggttacc aggagcagct aatgagactg tgtgtaaaac gagccacctc 300
tgtggcctgg aataaagtgg agcttcattg gtgtcagttc ttttcttttc t 351

<210> 222
 <211> 352
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(352)
 <223> n = A,T,C or G

<400> 222
 nntttttgtg cttgaagacg acagaagggg actccattga ggactagttg ctctcctgca 60
 cgtgatgaca ggagtaaaat ataattgact tgtcagaagg tatccggttg gccccagaag 120
 gtatagtatc atctcaggag atcaaggaag gtatccttct gcagtttggg ggatctgaag 180
 aaaagctgag cagatcagaa atgaactcag cagaattaac atttgaaaga gagaaacaag 240
 gacaccaaga agcaatttca cccaggaaaag cattccgtta tgaaatccaa gctctcttta 300
 catgaagact cagcctgcag acagctccct acacatgcac cccacaggga ag 352

<210> 223
 <211> 349
 <212> DNA
 <213> Homo sapien

<400> 223
 ggcacgagga cactagagcc cctggtctga gagggagaag cctggatgta ggaaaacccg 60
 tttccacccc aggccctact ccctagcctt ttccaagtgg gacatggaag aggcagcctg 120
 ctgcctggat gctggtctcc ccagcatcac tgttcccatg gagctcaggt caggctctgt 180
 attcagaccg agggtttgtg tgaggctcat agcaaatgaa caagtgccat tcaaggggta 240
 gaaactgctc agccacaggg tcccagtgtc tgagtctgga agagtcttta cagatttgtt 300
 cactctctga gggatcctcc tggctctggt tacatacttt cagggacgg 349

<210> 224
 <211> 355
 <212> DNA
 <213> Homo sapien

<400> 224
 ggcacgaggt gagagttttt ccttaaaaca aaggggcagc aggaaactcc aggagttccc 60
 aaaaaaagaa acgcagtcgg cctccaggca taccaagcac tcttgcttcg atgaccgtga 120
 aagaaacgcc agtttacctg cgacaccagc atccacacct caggccgagg agcaggagct 180
 gtggagggca cgcggggcag gggaggtctc tccacactgc ccatggggcg tgtgatctgg 240
 caatgccacc aaatctacaa gtggacacac cttcccacga acccaccctt gggctctacg 300
 ccaccctcac gcacccagc cctctgcccc agcattttcc acatggcttt gctgg 355

<210> 225
 <211> 355
 <212> DNA
 <213> Homo sapien

<220>

<223> n = A,T,C or G

<400> 228

accnaattcc	ctgagctggc	acctaaccaa	aatcaaaatc	atttgaagga	ctggttcttg	60
gagaacaaga	gtgaagtacc	tgaatgtaga	aacaatgagg	atggacctgg	gttaataatg	120
gaagaacagc	cc					132

<210> 229

<211> 708

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 229

attcgaattc	ggcacgagag	ctggggctag	aaaaatgaat	aagattgggt	tcctgacccc	60
agcccaggct	cacactgtag	taaagggaaa	cagacatgaa	cactaggtga	catggagtgt	120
taggggcgct	atggtagaag	tctgcagaga	gtgcaatggg	cgtccaaatg	aggaagtgat	180
cacttgacac	agagtgggag	gcttggctgg	aaaggcttct	ctgaatagga	tgacatttga	240
tctgtgtttt	gaagggcatc	gttggcaagg	taagtaatcc	aattaaagga	ggttgcctca	300
gctaaagcac	agtatgctca	aaggtgcgga	tcatttgaaa	atttgagtcc	aggtgcagta	360
ggggtaaggt	aagtatccaa	cagaattttc	tacaatgatg	gaaatgttct	atattgtcac	420
tgtccaatac	gggagcctct	agccacatct	ggccagtaca	actgaagaat	tgaatattaa	480
ctntcattta	attctagcta	atttanaatt	aaatagggtc	atcagntagt	ggctaacata	540
tttaacaagt	gcacgttaga	gaataaaaaga	aggcaagtgc	gagaagggtt	tggtatcata	600
ttgggaggac	tgaattttct	tctgcagccc	ttttgtgttt	tgacaaaggc	ttgacaacag	660
cgtaatatat	canttttctt	gtggagtgcc	caagctgcag	cagataan		708

<210> 230

<211> 698

<212> DNA

<213> Homo sapien

<400> 230

attcgaattc	ggcacgaggg	aggacgttgc	gtggagtggg	gggaggaggc	gggagccgtg	60
tgcgagagca	ggtggaaagc	cttgaggggc	aggaccagga	tgcagctggc	ttgtataaga	120
gctcaggagt	gagcctggca	ctccagaggg	cgcggcgggt	ggggaggcag	caggcaccag	180
tccaggagag	cttcgtggac	gtggctcctg	cgcgcacacc	cccaggagca	cagccacggg	240
ctgcagggtg	ggctggcctc	agcactcagt	cctcaccggg	agcctttgcc	tgctcctcct	300
tccaagagca	ctgaggcacc	agtgggcttg	gcactccacc	ttgggcttcc	ttttcctgga	360
gagccgcctt	gagggctcct	cctgtgactg	gggtctctgc	agcgagagcc	gcgggggttg	420
cggagccccct	gcctggggga	gctggcgga	tgcgagccgc	cggccggggg	cctgcacata	480
agacctgcag	gtggtgcctg	gggcctggc	tcttttcggg	tgcccttgcc	actcagaaaa	540
gacccccacca	gcttagaagc	ccagcgggtg	ctcaccacct	ggaaggccaa	gagaaaaaca	600
ccccgggctt	gcaattgttt	tgggtctact	tgtaaagatg	aggggaagtt	gaggccccgc	660
tgcacactgg	tccctacaaa	caaagcctgt	gtgtccag			698

<210> 231

<211> 662
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(662)
 <223> n = A,T,C or G

<400> 231

acaaggtgga	cgccaggag	gagaactttc	tgcccaagta	ccagcgtgtg	aaggacctgt	60
gtcagcgtgc	tgagtaccag	acggcgtgtg	agcagctggg	acagaagtgg	cagtgtgtgg	120
aggacgccac	ggggaagctg	aagctgcata	agtgcaaggg	cccatgcgg	ctgggcggca	180
gcagagccct	ctccaacctc	gtgccaagt	actacgggca	gggcagcgag	gcctgcacct	240
gtgacagcgg	ggactacaag	ctcagcctgg	ccggacgccg	gaaaaaactc	ttcaagaaga	300
agtacaaggc	cagctatgtc	cgcagtcgct	ccatccgctc	agtggccatc	gaggtggacg	360
gcagggtgta	ccacgtatgc	ctgggtgatg	ccgcccagcc	ccgaaacctc	accaagcggc	420
actggccagg	ggcccctgaa	gaccaaaaag	acaaagatgg	tggtgacttc	agtggcactg	480
gaggccttcc	cgactactag	gcggcacccc	attaagtgaa	cattaggctt	cttctaaaga	540
caaacagtcc	atgggactgg	acttgtcaag	tcctgaggcc	tgaagacaca	acttccaatg	600
acccgaattg	gaacctgcga	acaaatataa	actgagggag	ccgaggtccc	tgagaaaacg	660
gn						662

<210> 232
 <211> 629
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 232

tacttttgcg	agaagacgac	agaagggttg	agagacctgg	tcttactgga	tgaggctttg	60
gaaaccaacg	tgaggcaggc	gctagcacat	cctgagaggg	gtgtgacctg	gcacacaggc	120
ccagcctggg	cttcatgtct	cagctggcaa	gactgcctgc	tcattgccat	tccaggccgg	180
gcagggccaa	ggggcttcag	ggacccatgc	cctcatgggg	ctcattgagc	tcgtctccca	240
gcagccaagg	ccctggcatc	tccaaatgaa	gccagctgtg	ggggaaggtc	cttctcatga	300
gccagtctgt	cctggctggg	ggtggcatcc	cagagcccca	tctaggatgc	ccagggatgt	360
ataggtctgt	tgtgaggata	agccagcact	gagccctcac	cctggactgg	gagggcagtg	420
ggcctgctct	gagccctcac	cctggactgg	gagggcagcg	gctctgctct	gaaccctcac	480
cctgggactc	ggggcagccc	gcctgctctg	agccctcacc	cttgacttgt	ctcctctgtt	540
cacgtcatgc	cgtggaggaa	gtggtgaaa	aggtggtggg	acatgccaan	gagactggag	600
agaangacag	nccgctgagg	tcggcaggg				629

<210> 233
 <211> 233
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(233)
 <223> n = A,T,C or G

<400> 233
 ctcggcacga ggagagcagn tttttttttt nnnntacctt ggtgggtttt tttctttttg 60
 ggggggtttt ctttttttatt ttttcttttt ttttgcccc ccccgggggg ggaaaaaaaa 120
 aacggggggc tctcaaaacc ccccccgggg gggggggggg gggggggggg ggaccccccc 180
 ccctgggggg ggccaaaaaa aaaaaaaaaa cggggggggg gccccccccc ccc 233

<210> 234
 <211> 614
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 234
 ttcgattcgaa ttcggcacga ggcaagaacg acatcatcac aatcggtgtc cagaaggacg 60
 agcactgctg ggtgggggag ctcaacggcc tgcgaggctg gtttccagcc aagttcgtgg 120
 aagtcctgga tgagcgcagc aaagagtact ccatcgcggg ggatgactcg gtgacggagg 180
 gggtcacaga cctcgtgcga gggaccctct gcccggccct taaggccctg ttcgaacatg 240
 gactgaagaa gccatccctg cttgggggag cctgccaccc ctggctgttt atcgaggagg 300
 ctgcaggccg ggaggtcgag agagactttg cctccgtgta ttcccgctcg gtgctctgta 360
 agaccttcag gttggatgaa gatggcaaag tcctgacccc ggaggagctg ctctaccggg 420
 ctgtgcagtc tgtgaacgtg acccacgatg caaggcatgg ccaaaatgga tgtgaagctc 480
 cgctcactga tctgcgtggg gctcaatgag caggtgctgc acctgtggct ggagtgtctc 540
 gctcagcctg ccaccgtgag aaggtaccag ccctggtctt ctggcagncg ngctggtcag 600
 atcaggggagc tcaa 614

<210> 235
 <211> 599
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(599)
 <223> n = A,T,C or G

<400> 235
 tacgtctgcg agaagactac agaagggtcg ccaccacgcc cagctaattt tttgtatttt 60
 tagtagagac ggggtttccc cgtgttagcc aggatggtcc cgatctcctg acctcgtgat 120
 ctgcccgcct cagcatccca aaggcttggg attacaggcg tgagccactg cgcccaggct 180
 ttattttatt atttatttat ttagagacac agtgtcactc tgttgcccag gctggagtgc 240
 aatggtgtga catagctcac tgtagactcg aactccttgg ctcaagccag cctcccactt 300
 tggcctccca aagtgtctgc actgcagatg taagccacca taaccacact ctgttgttgt 360

```

<400> 239
ggctcgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga      60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga     120

```



```

gagagagaga gagagagaga gagagagaga gagagagcgc gcggggcgccct ctctctcttt 180
ttctgtctct ctgcgcgcgag atatttgtgt tctctctctc tcaccctctt gtgggcgcgc 240
gccccccccc cctctctctc ctatttctct ctgtgtggcg gcacacagag tatacactct 300
ctccccatca tccttctctc ttacagaggg gcttcttttt ctttactcac actctctcac 360
gggaaatfff tnttttttgt ttttttgcgc ccggggctcc ctatttttat attatacccc 420
ccccctcct ttgtgttttt tttttccccc ccgaaatff tttttt 466

```

```

<210> 240
<211> 467
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

```

```

<400> 240
ggcacgaggg gtttggggac cacacaggca cctgccttcc tagatttccc tggctcactt 60
ttctgcaaac actggatctg ccaggcctgg ggattggggg gcaggaaaga gggcccccac 120
cagccccctc caggccagtg tgcacagtgc accgaggggt catccgcaca gagcgaggtg 180
caagctcgat gtgtaacctg gctgcggcac ccgacatccc cggctctcggg gtgttgattt 240
atttctgaat aacttttttg gtatagaaac caattttttt taatatatga catgtatatg 300
tacacactca tgtgaaatat gtatactttg gggggatcta tttatgttcc agtgggagtc 360
actctcttct gtcgggaatc ttatctgctg ctttgtgtct ttggtcagat tcctgacaat 420
ntagtttcct gttgaaaggt gctttttctg gngtgactaa acctatn 467

```

```

<210> 241
<211> 444
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

```

```

<400> 241
ggcacgaggt ttttcagtgc atatgctgca caagaacaaa atataaatct gtatggcacc 60
aaaaatcaaa gtgaaaacca aaccaaaaac ccaaacaccc tatgtaacta tcggaggcat 120
atacgtggta taaatgactg tagctgtgat acacacatgg ctacttgtca catcactttc 180
cataattatt tactgccaaa tgattgagag gcttttgggg caggcagacc gtaacctcct 240
gacttctttg ttacctctgg attacttttag caggaattgg aggtctttta agagaagtaa 300
gcttcagttt tatcacaaca aaacaatatt cctgcttata tgaagaatgc agcgtggggc 360
aaaaaaggct ggctataata atgcctcata ttgaggggct ggaacagggt gcacttcagg 420
cctgagttgt gagagctctg gaag 444

```

```

<210> 242
<211> 437
<212> DNA
<213> Homo sapien

```

<400> 242

```

tctcaagcca ctcgttcttt tttttgatcc ctcccttcga attcggctcg aggagagaga      60
gagagagaga gagtttttta gagagagaga gagagagaga gagagagaga gagagagaga      120
gagagagaga gagacagaga cagacagaga ctgagagaga gagagagaga gagagagaga      180
gagagagaga gagagagcgc cctctttttt tttttctctc tctccccccg ctcaactctt      240
ttttctctcg cgcgccctct cttttttcta tacattctct gtgtatatag agacagtgtc      300
tatecttttt ctctctctct gtatatgcgt tctgtgtgtg tggtatctct ctctcacgca      360
cacacagaac acaccccccc tctctgtctg tgtgtctctt ttttcttttt gccctctctc      420
tctgtctctg cttaacg                                         437

```

<210> 243

<211> 440

<212> DNA

<213> Homo sapien

<400> 243

```

ggcacgagaa cacagcgagg aacttgaac tgaggagggc gaggttgaag agatggacac      60
tttagaccct cagacaggtc tgttttaccg atctgccctg actcagtcac agtcagctaa      120
acagcagaaa cttagccagc ccccgctgga acagactcag ctgcaagtga aaactctgca      180
gtgcttccag actaaacaga agcagaccat ccacctgcag gcagaccagc tccagcacia      240
actcccgaat atgccccagc tttccatcag gcatcaaaaa ctcacccctc tccagcaaga      300
acaagcacag cccaagccag atgtacagca cacacagcat cccatgggtg ccaaagacag      360
gcagcttctt accttaatgg cacagcccc gcaaaactgta gtacaggtgc ttgcagtga      420
aaccacgcag cagctcccta                                         440

```

<210> 244

<211> 437

<212> DNA

<213> Homo sapien

<400> 244

```

gattcgaatt cggcacgagc aagctgaagc acaagcatgg ccttgtggag cgggcgatgg      60
atgactacag tgtgatcggc cgctccctgt tcaaaaagga aaccaacatc cagctcttcg      120
tggggctcaa ggtgcacttg tccactgggg aactgggcat catcgacagt gccttcggcc      180
agagcggcaa gttcaagatc cacatcccag gtggcctcag ccccgagtcc aagaagatcc      240
tgacacccgc cctcaagaag cgggcccggg ctggccgtgg ggaggccacc aggcaggagg      300
agagcggcga gcggagcgag cctcacagc atgtggtgct cagcctgact ttcaagcgtt      360
atgtcttcga caccacaaa gcgcattggg cagtctccct gagtgtcccg gtgacctccc      420
ccaggcctcc ttgccc                                         437

```

<210> 245

<211> 438

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(438)

<223> n = A,T,C or G

<400> 245

```

atcgattcga attcggcacg agccagcacc ggaccacctg ctccaagacc agcctcctgg      60
ggggaccacg cacccgccct tcaactggcac ccaggggagcc gtcctcagca gcgtcaacat      120
gtcaaggccc agcagcagag ccatttactt gcaccggaag gactactccc agaacctcac      180
ctcagagccc accctcctgc agcacagggt ggagcacttg atgacatgca agcaggggag      240
tcagagagtc caggggcccc aggatgcctt gcagaagctg ttcgagatgg atgcacaggg      300
ccgggtgtgg agccaagact tgatcctgca ggtcagggac ggctggctgc agctgctgga      360
cattgagacc aaggaggagc tggactcttt accgctagac agcatncagg ccatgaatgt      420
ggggctcaac acatgttn                                     438

```

<210> 246

<211> 431

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(431)

<223> n = A,T,C or G

<400> 246

```

aacgttaata gaggctctgg aggattccat cgattccaat tcggccccgag agagaaacaa      60
gggagacaag gttgcccata caggtgcggg gctcagccag gaggcagaaa acgnggacgt      120
gtcccggggc aggaggttca cagatgcacc acaaggcact ctgtgtggca ctgggaacag      180
gaattctggg agtcagtctg caagggcggg gggcgttgct cacctgggag aagcctttag      240
agtgggcgtt gaggaggcca ttagctcgtg ccctgaggag gtgcatgggc ggcaggggct      300
ctccatggaa attatgtggg cgcaaatgga tgtggctctg cgctcacctg ggcgaggact      360
tctggccggg gccggggcac tctgcatgac cctggcagaa tcgagctgcc ctgactatga      420
aaggggaaga a                                     431

```

<210> 247

<211> 428

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(428)

<223> n = A,T,C or G

<400> 247

```

ttcggcacga gattagacgg gagatagata ccaatgattt agatggcaca ggaagagcaa      60
gttctggata taataaatga gggacttttc cgtcaaagct tttctatgtc tatatttatc      120
actgaatagt cccagtatgg ttttaaagca agttttatga atctcatttg cctaacagga      180
atctgaaata taacttgcca aaaacacaca gttgggtgtg aatggtcatt agaacctggg      240
gtcctctctt acggactccc tgctcattaa gggattcagt ggtccagagt ctaagatcct      300
attaagtgtt tgattcanac ctctaccgga ggaagggcta gtaccttact cctagtcctg      360
tttcaagctc attcctgaaa ttccaggctg gttctctagc acctatgtgt gttacaagaa      420
ggcacgtg                                     428

```

<210> 248

<211> 427
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(427)
 <223> n = A,T,C or G

<400> 248
 ggcacgaggc tgtgcggcag ggcgcacggg acctgtgctg cagcggctct ctcacgccgt 60
 gggtcgtcgc tgcagctgcc gggaaagaag gaaacgacga ctccgggggc gaacttggca 120
 cacaggagg aagggaaagg gtgtgtgagg agggctgtgg gtatatttgg catcaggag 180
 aaggacctca aaacttgttt ttcatatagt actagctgat cgtcgggttt ttttttgttt 240
 tggcttggnt tttttttttt ggaaggacaa attttggaaa ccccggaat ccccgttttg 300
 gagtttctcc cgtttttttg tcattaatcc aaaggcctga agggacgggc caggggggct 360
 gggattttga ttttaggagt gaaaaccctt tgggaaaacc ccccaaaggg aaaaaaggga 420
 cgggtggg 427

<210> 249
 <211> 428
 <212> DNA
 <213> Homo sapien

<400> 249
 ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
 gagagagaga gagagggtgt gtgtgcactc tctctctcgc tctctctctc tctctctctc 180
 tctctctcac actcacatat cagcgcgcgt ctctctctct ctctcctata tagggggagc 240
 gccgcgctct ctcccccccc cctcaaaaaa cttttttttt ttctctctat atatatagag 300
 agattttttt tttactctct ctcttgtcgc gagagatctt ttttttttat atatatatac 360
 tcgggggtgt gtgtgtgtgt gtgtgtatat gtgttttttt ttttaccctt cctttttctc 420
 tctctttt 428

<210> 250
 <211> 428
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(428)
 <223> n = A,T,C or G

<400> 250
 gaaattttgc ctttcttgga ggtttttgtt ctgatgtaat ggtgaaagggt aattctatca 60
 tctctgcatg acacagctat ttttgttgct tcagcaagat ttatcaaagc aagtggtttt 120
 tgaccattct ttgtctccaa gggagagaca attgtggcag catcccatcc tctgagctgg 180
 tttttgtttt tgttttttgg agaataagtg gttttgatta cagggtgtgaa cttgtggtat 240
 tcacagatgt tgggtggcctg tcaggactat tttaggagac ctcatattat ctttgaccac 300
 gaaatatcct gactgggggc tgacttgaat atatnagctc cttgtgggggt gatgccaaag 360

ctcccttttc agtataactg ctcaaggaaa caaagagttc ccagagtctg tgggccagac 420
ctacactt 428

<210> 251
<211> 429
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

<400> 251
ggcacgagcc attttcttcc atcagctaaa ctttacagat aatagtgttt ccacctcata 60
tccttttctt tgcccttctt caaatgagtc agaatagtca tgttccccctt gagggatgtc 120
tgacttgaat gtagaattgt tctttcctct cttgaatcag ctactagct ccctgatggc 180
ctgggttcaa ggaaatggtt aatgaggtag aggccactta tacaagtcct tgggattgta 240
ccattgctgt ccacaaactt agtatcaaca acacatgctg tgccctgtga acactctcct 300
ctcacctatt tccaggggtg ggcttctga gaaggggatg gatgaggtaa cacacagttt 360
gggatacgta tctgttgaat gaatgaataa gtgaaaggat natagtcttc tgagggtacac 420
atggcttgg 429

<210> 252
<211> 427
<212> DNA
<213> Homo sapien

<400> 252
ggcacgagag agagagagag agagagatag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agagagagag agagcgctct ctttctgtgt gtgagagaaa ctcccccccc cctctctctc 180
tttttttttg tccccctggg agcgcccccc ccacacatat ttgtgtcac gcgccccccg 240
agctctctct ctctctctcc ggtgggagaa aaattttttt atctactcgc ccccgcccg 300
ctctcttata gatattttta tatctcagat agcgcgcgct ctttttacac tctctctctt 360
cttttagagg ggggggagag cgcgcgcgct ctctttctcc cccctctctt ggtgtgcgcg 420
cgacacg 427

<210> 253
<211> 428
<212> DNA
<213> Homo sapien

<400> 253
tgcacgaggg gcattagttc aggcattaat atgaacaact gacccaaagc tctgcattac 60
taggggtgaa gaactgactt ttcacttctt agaatttctt gaaggaaaag gagtggctgt 120
caaggaaaga attattccat atttattacg actgagacaa attaaggatg aaactcttca 180
ggctgcagtt agagaaattt tggccctaatt tggctatgtg gatccagtga aaggggagagg 240
aatccgaatt ctctcaattg atggtggagg aacaaggggc gtggttgctc tccagaccct 300
acgaaaatta gttgaactta ctcagaagcc agttcatcag ctctttgatt acatttgtgg 360
tgaagcaca ggtgccatat tagctttcat gttgggggtg gttcatatgc cttggatga 420

atgtgagg

428

<210> 254
 <211> 422
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(422)
 <223> n = A,T,C or G

<400> 254
 ggcacgagca gaactggcgg tttttcccag ctccttgccc agaccaatac ttccatgctg 60
 tcttcaagcc ctgcttcctg cacatctccc agcccagatg gggagaaccc atgtaagaag 120
 gtccactggg cttctgggag gagaaggaca tcatccacag actcagagtc caagtcccac 180
 cgggactcct ccaagatacc caggtcccgg agaccagcc gcctgacagt gaagtatgac 240
 cggggccagc tccagcgtg gctggagatg gagcaatggg tggatgctca agttcaggag 300
 ctcttccagg atcaagcaac ccttctgag cctgagattg acctggaagc tctcatggat 360
 ctatccacag aggagcagaa gactcagctg gaggccattc ttgggaactg cccccgcccc 420
 an 422

<210> 255
 <211> 419
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(419)
 <223> n = A,T,C or G

<400> 255
 ctgagacaca tatagtagca acttactaga cctgcttgca ggatcccac gatgacgaat 60
 tccgttgctg tcggtgatgg taactacatc actaggtagg ctggggctgg aggatttctt 120
 gaccccagta gttctaagct gcagcaagct atgatcatgc cactgccctc cagcctgggt 180
 aacagagcaa gaccctagct nataaaaaaa aaagaaaaag aaaaaaaaaa aanttttggg 240
 ggggcctttt ttttctgtaa ccacaattga aaaaattgct tgggggtgtg ggcaaccccc 300
 ccaaaaaaag ggggggaaaa aaaggttttt tttggaaaat tggggggcgt ttggtttttt 360
 tggaaaccat ttaagcgggg gaaaaacagg ttaacaacac cggtgtcttt ttttttttt 419

<210> 256
 <211> 422
 <212> DNA
 <213> Homo sapien

<400> 256
 ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
 ttctctctct ataaaaaccc gccacgtgc gtgtgtgtgg ggggagacac aaaaaaaca 180
 cactacactc tctttctctc tgggcgcgcg agagagagaa aacacggggg ggggctgtga 240

```
<210> 257
<211> 418
<212> DNA
<213> Homo sapien
```

```
<210> 258
<211> 420
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G
```

```
<210> 259
<211> 421
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G
```

<400> 259

cgattcgaat	tcggcacgag	gggacacagg	cagggacgcg	ggagctgatg	cggctggacc	60
ggccggggaa	acagtatddd	ctggaagggg	gccctctga	agcgggtccag	gatcctgcac	120

<400> 262

```

ggcacgagtg agataggacc atgtgctttg agagtgttta gtatcttaaa actcctgtac      60
aaatgcatag caccaggcag acagtaggag ctacagtttac agcatgaatg gtgggtgctc      120
ttatactcag aattccatct gctcctccca gtgccagact ccttcctcga acccagagcc      180
ttctcccata gtatctcttt agcctcttgg gaactctgga ctgctcccca ctgaatgtgc      240
caacgcccc actcaccact gcctggcttt cactcccagt gtcattggact tggttccaaa      300
gggctttgag aacctcaca aaaaacccac tccaaatctt tgagggtcta aagggaagaa      360
ttctgcccc tcccagagac ccattctactg tanggacagg ganaagaaga ctgn          414

```

<210> 263

<211> 413

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(413)

<223> n = A,T,C or G

<400> 263

```

attcggcacg agcgtcccca tgcccacctg cgagtccttc acctggaaga ggtgatgagc      60
ccgggtcacca cgcccacaga tgaggatgtg ggccacagga tcaaacatgt ggcaggttcc      120
acacagacgc ggcataatccc ggaggacacc cccaacggtt tccacctgca gagegtgtcc      180
aagctgctgc tggntatcag ctgtgttctg gtgctggctg gcatccttaa catgatgtc      240
ttctacaaac tctggatgtt ggaatacacc acgcagaccc tcaatgcttg gcaggggtcta      300
aggtccaag agagttaccc cagtctcaga cagaatggcc cagctctaga gtcccacana      360
agaccacgat actgagctca aaatggaggg aatcatcaaa tctcagtgtg ctn          413

```

<210> 264

<211> 411

<212> DNA

<213> Homo sapien

<400> 264

```

cccatcgatt cgaattcggc acgagggggg acatcacgct gctattccgg gccagcgtga      60
agaccgtgaa gacgcggaac aaggcgtgtg gaggcgga gggcggcggg gtcgatggca      120
atcgggacga gctgttccgc cggagcccc ggcccaaggg cgacttctcc agccgggccc      180
gcgaagtgat ttctcacatt ggcaaaactga gagattttct tctggaacac aggaaagatt      240
atattaatgc ttatagccat accatgtctg aatatggggg gatgacagac acagaacgag      300
accagataga ccaggatgcc cagatattca tgaggacctg ttcagaagca attcagcaac      360
tacgaacaga agctcacaag gagatacatt cccagcaagt gaaggagcac a          411

```

<210> 265

<211> 414

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(414)

<223> n = A,T,C or G

<400> 265

tacggctgcg	agaagacgac	agaagggata	cttttaaata	atctgtctca	cttactgaaa	60
gaaacacaaa	acgcacaaaa	tatgaaagct	aacacctgcc	ctccatatat	catcttccta	120
tgtctcccac	cacaaccaca	aaactacttc	cagagaacta	aattttttatt	gacaatggaa	180
atcaaggtaa	accctggaat	ttttcctatt	ccattctaac	tttaatgggt	tagatgacta	240
cagacatgtt	ctcacagacc	ccacatatct	ttggatcctc	ctactaaagg	tagggttagt	300
aaatgtccca	tccttgggac	ataattttact	cagttgatta	aaatactggg	cttcgccaga	360
gttggnnttg	cagatctagc	taaactgata	ggtttccttt	tctttctttc	ccat	414

<210> 266

<211> 411

<212> DNA

<213> Homo sapien

<400> 266

ggcacgagat	ggagagaaca	ccttcaaacg	cattggaccc	ccgctggaga	agcctgtgga	60
gaaggtgcag	aggggtggagg	ccctcccag	gcccgttccg	cagaacctgc	cacagccaca	120
gatgccaccc	tatgccttcg	cgcacccacc	cttccccctg	cctcccgtgc	ggcctgtgtt	180
caacaacttc	ccactcaaca	tggggcctat	cccagccccg	tacgtgcccc	ctctgcccac	240
cgtgcgggtc	aactatgact	tcggtcccat	ccacatgccc	ctggagcaca	acctgcccac	300
gcactttggc	ccccagccgc	ggcatcgctt	ctgatggccc	cgaatcccca	ttgagcagca	360
caaagcccgt	ttggggtagg	agtgtggatg	gagaaccttc	ccccaaaggct	g	411

<210> 267

<211> 405

<212> DNA

<213> Homo sapien

<400> 267

ccatcgattc	gaattcggca	cgagccctcc	agccactgct	ttatactctc	cttctctggt	60
tgaaattttt	gaagtaaata	ggtcactctg	cccactgctc	atcttccagt	cactctgtgt	120
gtttatcttc	caggggaagt	aggctctatg	ctaccaagcc	actgaaataa	tttttttttt	180
tttcaaaact	ccatctcaaa	aaaaggagta	tgtatttaca	aaaattaccc	aggggggggg	240
gcacacacct	gtagtccac	ctacttggaa	acctgaggcg	gaaggatggc	ctgaccctgg	300
gaggtcaagg	ctgcagtgc	ccaaaatggc	accactgca	ctccaaactg	ggtgacagag	360
caagaccctg	tctcaaaaaa	aaaaaaagtt	tgtttaattt	ttcaa		405

<210> 268

<211> 410

<212> DNA

<213> Homo sapien

<400> 268

ctcaattccg	ttgctgtcgc	tgaaagggtc	tggggaaaaa	aatttttctt	aaagcgacaa	60
gactcttaga	tctaaaagga	aactgacttg	ccaccttgcc	acaggaattc	ttgaaatggt	120
tctgcagcca	cttggccttg	aaaataaagg	gtgcaactct	caagtcttgt	tctaaccg	180
ctggagggaac	cacaagaccc	aatgaaatag	cattttctct	ccttttccca	gcactagtat	240
ataacctatg	aggaaccctt	gtctctgaat	ctgctcagct	tgaaattttg	tctctgaagg	300
aagagaatga	actcagccct	agtctgacag	tcctagattt	ctgtgaaata	agagtattct	360
ctaacttagt	gtccacactc	acataccatg	aggggtctct	gcaggggttt		410

<210> 269
 <211> 405
 <212> DNA
 <213> Homo sapien

<400> 269
 ggcacgagga aaaagctgcc tttgtcaaac tgtacttagt ctctcaagga cgattcccct 60
 tggatgaacct gaccgatatg ctgagcgttg ctgtgcagca ccgtgagaaa gaggtgttgg 120
 cctggatgat tctgcacagc ttataccagg cacggattgt gagccatgcc aatacgggag 180
 ttttgaagag aatggagtgg ctcttggaac tgatgggtta tattagaaat gttgcttacc 240
 agtcaacatc ctttcacaat acggctcttg acgaggcttt ggacttcttc ttgctgatat 300
 ttgcaaccgc agtgggtgca tgggctgacc aactgcccc tctctctctc ggctcagtg 360
 ccagtgggtt gccatggcat caggagaatg gcccggctgg gccag 405

<210> 270
 <211> 406
 <212> DNA
 <213> Homo sapien

<400> 270
 cgttgctgtc gctgaaactg gacctgcata gctacgtgag gcctgcacag ctaagtgtgg 60
 agctggacta cggcggcagt atggaattcc agtgccaggc cagtgaacct attcccagc 120
 agccctgctc tgggggtgctg agtgagctgg tgaccaccca ccacctgaag ctgaccaaca 180
 ctacagagat cccacactac ttccggctta tgggtctccag gcccttctcc gtttctcaag 240
 atggggcgag ccaggaccac agagctcctg gccctggcca gaagcaggag tgtgaggagg 300
 agacagcctc agcggacaag cagctggtgc tccaagcaca ggagaacatg ctggtgaacg 360
 tgtccttctc actctcctg gagctgctct cctatcagaa gctccc 406

<210> 271
 <211> 405
 <212> DNA
 <213> Homo sapien

<400> 271
 ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaca 120
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagcgctc 180
 cctggtgtgt gtgtgttttt tgtgaggcgg gcgccccgct cccattcggg cactcactcc 240
 ccgaggtgtg tattgattgc tcacactcac ggggtctctc aactcgcgc acagatttat 300
 ttattctgag cagggggcgc gcttgccata gtgggagtc ttgattttta tttcttctct 360
 tttgccattt cccctcaggg ggggggggag ggactgcccc cccct 405

<210> 272
 <211> 408
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(408)

<223> n = A,T,C or G

<400> 272

gaattcggca	cgagagggac	cctgccttgt	acccacatca	ctgggctctg	tgctgaccac	60
cagacaggag	gaggtcctag	tggtgagcag	gggcaggaca	tgcattcttct	gggggctgca	120
gggaggcagg	ggtagagctt	gatgccatgg	tggagtgtag	gagaggctca	gagacaagga	180
gactcatgag	accaggctcc	tggcgtggcc	atgggcatca	gcaactgccc	cggtgacaca	240
gtcctcttcc	tcagctccac	tctgactctg	aagcactgac	tacaagcacc	tcttgggggt	300
cacggctgtt	tcgcacacac	aaatccacca	aaggagagat	tgcagggcca	gcatcctgag	360
ccccactgc	agggcctggg	cgctntcctc	ctggcagctg	tgccccc		408

<210> 273

<211> 405

<212> DNA

<213> Homo sapien

<400> 273

ggcacgagat	tttattgcat	caaaaattga	gcattgggaa	caaagttggg	gtcaagagga	60
aagaatgctg	gctgggtttg	ttaggcgtta	gtataccggt	ttttgtggc	ctctccctcc	120
cacactggta	attagagaaa	gataacagta	acttcggttt	agttttgtg	aaacataaaa	180
gtcaattcta	atagggcagt	cgccagaagt	agacctgtct	aggcactaag	ggagtttggg	240
gaaagccaaa	gaagacctag	gccatagagc	acagtggaac	gcaggtgaga	acgcagggaa	300
agagaagtaa	agagtaaagc	cagaggccat	tacctgaaat	ttccagattg	ttctatgaga	360
caggtatgtc	agaggaccgt	gtctcaaaga	agtggcattc	ttctg		405

<210> 274

<211> 407

<212> DNA

<213> Homo sapien

<400> 274

ggcacgagga	gacgtgctgg	tcagcatgta	cagttcagag	gaagggacgc	tggcgcccca	60
ggaacagctc	tttggagggg	gtggggagca	gggcgggaac	cttgcctggc	cttgagccga	120
ttcagatctg	attgagtcac	gttggcaaga	gctgggtcta	ggaccctcgg	gtggggactg	180
gagtgttgag	caggtcgggg	cctcagcctc	ccttcgggtc	cccaggagag	ctgttccatc	240
cgctcctgtt	cacggctggg	cgctgctgag	ccttttctgt	caacatctgg	ctgggcttct	300
gaacctggct	ttcctttgag	aatgaaccta	agagagctga	ctctaaggaa	gaccagagcc	360
ggccgctcca	gggcagaagc	tgagacttca	agcgagctgt	taactca		407

<210> 275

<211> 407

<212> DNA

<213> Homo sapien

<400> 275

ggcacgaggg	ttggctcttt	agggcttcac	cccgaagctc	caccttcgct	cccgtctttc	60
tggaaacacc	gctttgatct	cggcgggtgc	ggacagacgc	tagtgtgagc	ccccatggca	120
gatacgaccc	cgaacggccc	ccaagggggc	ggcgctgtgc	aattcatgat	gaccaataaa	180
ctggacacgg	caatgtggct	ttctcgcttg	ttcacagtct	actgctctgc	tctgtttgtt	240
ctgcctcttc	ttgggttgca	tgaagcagca	agcttttacc	aacgtgcttt	gctggcaa	300
gctcttacca	gtgctctgag	gctgcatcaa	agattaccac	acttccagtt	aagcagagca	360

ttcctggccc aggctttggt agaggacagc tgccactacc tgttgat

407

<210> 276
<211> 407
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 276
gagggcttat tactgtcgtt tatacgttat gcagactgga atgaagatcg atagtaaaac 60
tcctgaatgt cgcaaatttt tatcaaagtt aatggatcag ttagaagctc taaagaagca 120
gttgggtgat aatgaagcta ttactcaaga aatagtgggc tgtgcccatt tggagaatta 180
tgctttgaaa atgtttttgt atgcagacaa tgaagatcgt gctggacgat ttcacaaaaa 240
catgatcaag tccttctata ctgcaagtct tttgatagat gtcataacag tatttggaga 300
actcactgat gaaaatgtga aacacaggaa gtatgccaga tgggaaggcaa catacatcca 360
taattgttta aagaatgggg agactcctca ngcaggccct tggtggt 407

<210> 277
<211> 403
<212> DNA
<213> Homo sapien

<400> 277
cgttgctgtc gcttcattac accatctatt tcataggata gttgtgagaa gtagataata 60
tgttgtaaag tgcctggat gcgataatca ctcaataaat gttggttctc actaccatta 120
acagaaattc tcagaaaagg tagttatttt aaggacaaga caatagggtg ttttcaggct 180
tcaaggtgat gaaatacctc caagtaggta ttttcatcag gcaattggag agtgactcat 240
tcattcaaga agtttttaac tgtactttgt gtcaagtatg tgacaccaga gctcacggga 300
gattcagaaa tcattgtcaa taattaaagt tgtgaaaaac gggaagagca gaaggccaaa 360
gaaaatgact tataaatgaa aacaggagaa tcaacaatgg aag 403

<210> 278
<211> 398
<212> DNA
<213> Homo sapien

<400> 278
attcgaattc ggcacgaggc taggacctta agaaggagct catgtgagtc aggaccctga 60
atgttaggcc tcgttagctc tatggttcat atgcttcttg aaccaagtca cagggcactt 120
cccagccaca ttgccaggca acaggactaa actacctcca aagcaagcag tcttttcagt 180
tttgactgag tgatgtgaga aacttctttt cttttctttt cttttttttt tttggaaaaca 240
gcccccttat gccccccagg tgggggggaa gaaccctaat ttgggttaat ggaacccccc 300
ccctccgggt ttaaggaaat aatcctgcct aacttattgg gaagggtggg gcagaaaaat 360
ggtttaaccc cggaaggggg ggggtgcaga accccaag 398

<210> 279
<211> 400

<212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 279
 ttttctggtc cacaccggcc cgnataatcc taactactat acacagcttc ttttcagctt 60
 aatgaaaaga tcattgttct gcactacaca taaattacct attttataga aaagtctgtg 120
 attacaatag ctattttccc agcctccttc atcacctcct tgatccccct atcctccccct 180
 cggccctgca cctcctctct ttcctgactc ccacaccaga gctaggcctg ccctgggcac 240
 ttttgccctcc aggaatgaat gaggtcaca gcccggaagg gctccaagtc ttggctacct 300
 tccctcagtg gctgccctgg caaaggctcct gccgcaggga atcacacaaa gtccagcaaa 360
 gcaactggtc tttcctgtcc attctcacc ttcccaagac 400

<210> 280
 <211> 399
 <212> DNA
 <213> Homo sapien

<400> 280
 ggcacgagat gcactcagcg gccctgactg ggagagtgc tggattgata caaccatcag 60
 ttctattcag attatggaaa tccagcaaatt aatagatcat cagtattgca ttcaaagcct 120
 ccagtgcgga tctggaaatt ataattacaa tattcctgtt aataaacaca caccaccaa 180
 tgtcaagttc tctctggaaa taaacacaac agagccattg atagtcttcc agtgcaaatt 240
 cacccttgga aatatatgtt tccatagtaa aaggggaacc aaagggtgg aaagccacag 300
 agaaatctcc caggagatga cacagggata tcagcacatt tggagcctcc ctgtagcccc 360
 attttctgac agcatgttcc atttcegtgt agctgcacc 399

<210> 281
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 281
 atcgattcga attcggcacg aggcaaggcc cagtggatga gaatcccaag atggccatat 60
 ttctgcagca tgccgcagga ctcttacatg caatgtgtac actgtgcttt gctgtcactg 120
 gaaggtcata cagcatatct gacaataatc gccaggatcc cacagggtg acagctgctc 180
 ttcaggcaac cgacctggct ggagttcttc atatgctcta ctgtgtcctc ttccatggca 240
 ccatcttgga ccccgact gccagtcacca aggagaatta cactcaaaat accatccaag 300
 tggccattca gagattacgt ttcttcaaca gctttgcagc tcttcactg cctgcttttc 360
 agtctattgt aggggcagag ggcttgtccc ttgcattccg gc 402

<210> 282
 <211> 398
 <212> DNA
 <213> Homo sapien

<400> 282

```

caaaggagat attctttcac tgtggggccc aaattgttgg aatgcgctg aaaaataagg      60
gctctcactg cttgagcaaa cccttgggtg catttggcct cagggcctgg aagacgacag     120
ttcaagaaac cacaggactc cagcaatgag ctgctccccct tgctgtgtgt gtgtgtgtgt     180
gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt ggagagggat ggcaagtaag aaaagaatcc     240
caagaaaaat aatgcgcatg tgcaaacgcc ctgtcgcaag aagagccttg tctcctggag     300
gaaacataaa aaagctgagg tgtcgggtgc gcacaggggc ttatgcctgt aatcccaaca     360
ttttgggggg ctgacaccga taaatcaaga gttcgtcg

```

```

<210> 283
<211> 404
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (404)
<223> n = A,T,C or G

```

```

<400> 283
ggcacgaggc ccagcgaaaa gcaacaaccc caagactgtg aaagactaac atccattctg      60
aaataggaga taacaaggct gccatggatc tgaacaccac cttccttgag aacagccagg     120
agcccacttg gattcaagag tgactttgaa cttgttttca cacctccaac agactctcat     180
taagattcag ttatttccgc tccccagccc cacactcctt tcagattatc gttcatgggc     240
gtaagtctct tctcagagtt aacaagtctt tggtagtcat cctctgtcca aatattgtat     300
attattaaaa ggcattttta ataattacca gaattagctc aaaccttttag ggatctttca     360
gccatgatta ttaaggatat gtatgtgaat ttttgggaaa cctn

```

```

<210> 284
<211> 404
<212> DNA
<213> Homo sapien

```

```

<400> 284
cgttgctgtc ggaataatgg aacaataatg agaggaaagc ttaatcattg gaaatgtaca      60
ttattcctgc tttgtggatt atttgcatca gagttttaaa ttatgggttg atgatttttt     120
tttttttggc tatcttaacc ctcccatttt ttcttctctt tcccttctct cgagtggagg     180
aacccttaag gatccaaccg gtttttaatt gaagcccccc ttcccaccga aattggccca     240
gggggctatt ctggtttttc cgatttttgg ggggattggc tattttgaaa ggctttggct     300
acctttggga cctatcccca aaatccatac cctttagtgc taaggtggac catttaaagg     360
ggccacaaat tattcattcc aggatagggg accctataca atag

```

```

<210> 285
<211> 402
<212> DNA
<213> Homo sapien

```

```

<400> 285
cgaattcggc acgagcctga gaaaagcaag aagggaactga aaagggaagc ccggaatttg      60
ctcaaatctc atcttaacct tgatgacagg cgttgggcca tgcagaattt ttctcctcag     120
tgttccattg tgttgctaga acatctgaaa actgccactg taaacttcat aaccagctat     180
ccgggttcat cctacatttt tgtgcaagag agtccaactc ccagattaa acctgaatat     240

```

```

ttagccttga ggtctgttgg catcacaaga gagaaaaaaa ggaaaggcct tcacttaact    300
gagagtaccc ttccagccct ggaagagtta gtcaatgttt cctgtgaaga agtaaatggc    360
tgccctgtca ttctagtttg tggatcccag gatgttggaa ag                        402

```

```

<210> 286
<211> 400
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

```

```

<400> 286
ggcacgaggt ttgcagctgc ggcgggggtcg ggtccacccg cgggtccccgg aatgccggac    60
ggctgatccc ggggtgctggg cactcgccga ttccggggctg ggaagggttg ccagaagcgg    120
gaaagatggg agatctgagc gctctcttgg catcgccaca cccaggactt gctcgtgccg    180
caattcccca cggaaacaac cgagttgaaa cgagaagctt gctctctggg tgcagtagct    240
agaaggcttc aggttaactcc aaagccaaca ctgggtgagg caacacacgc cgcctcagga    300
ctcagcattt ctttcaggct gcgttttcgt ggcagacctt cccagattga tggagaaagt    360
ttggctggcg gataagaagt aacgcggaag atgtgtacgn                        400

```

```

<210> 287
<211> 401
<212> DNA
<213> Homo sapien

```

```

<400> 287
ggcacgaggg aaaccccaga gccaggctcag cagggcctcc aggctgcagc tcgctcagct    60
aagagtgctt tgggtgccgt gtcccagaga atccaggagt cctgccaaag tggcaccaag    120
tggctggtgg agaccaggt gaaggccagg aggcggaaga gaggagcaca gaagggcagt    180
ggatcccaaa ctcacagcct gagccagaag agcaccgggc tgtctggagc cgcccctgcc    240
cactcagccg cagacccttg ggagaaggag catcaccgcc tctctgtccg gatgggctca    300
catgccacc cattaaggcg atcaaggcgg gaggctgcct tccggagccc ctactcctca    360
acagagcccc tctgctctcc cagcgagtct gacagtgacc t                        401

```

```

<210> 288
<211> 403
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

```

```

<400> 288
ggcacgagga gtggcatgca gggcccctgc catgggtgcg ctctcaccg gagcaaagca    60
gcatgataag gactgcagcg ggggagctct ggggagcagc ttgtgtagac aagcgcgtgc    120
tcgctgagcc ctgcaaggca gaaatgacag tgcaaggagg aaatgcaggg aaactcccga    180

```



```
<210> 289
<211> 400
<212> DNA
<213> Homo sapien
```

```
<210> 290
<211> 399
<212> DNA
<213> Homo sapien
```

```
<210> 291
<211> 402
<212> DNA
<213> Homo sapien
```

```
<210> 292
<211> 402
<212> DNA
<213> Homo sapien
```

<400> 292

```

ggcacgaggg cagatgatct gaatgccttg caactaataa gtagccgaac attgaagctg      60
cacttttagcc cccatagagg ctttcacat catgttaatg ttatgtttga ttacttccac      120
ctttctgttg tgtctgttac agttcatgca tcattgggtg cactacacca gccactaata      180
agctttcctc gccctgtgaa gacaacttgg ttaaatagaa atgcaccagc acaaaacaaa      240
gattccgtga ttctactct tgaaagtgtg gtcttttgta ttaactacac aaaacagtta      300
tcaccagatg gttgtagctt catcattgca gactccttcc tacatcatgc gtatcgtttt      360
cattatacac tttgtgccac tttgctgcta gccttcaagg ga                          402

```

<210> 293

<211> 400

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

<400> 293

```

cgttgctgtc ggcaaatgtc agcgccagcc cagtcaaaag agcttgaaac ctaccaagcc      60
ggaggactgt gctgtgcttc tctcgccac attttcccca agcactctca ggaacctggc      120
aacagtgtcc ccttgtggcc aagcctggaa catcacatct gtacgttgca atctgtggat      180
cagctacgag aaaagtatag taagaagaaa ctgaatttga agtggattct taaaaaggaa      240
aaagaaaatc actattgtaa ctataccaaa ttactatatt atgtgatgca acaaaattca      300
aatatgaaaa ccactcttga ggccgggccc ggtggctcat gcctttaatc ccagcacttt      360
gggaggccga ggcacggtgc ctcacacctg taatcccagn                          400

```

<210> 294

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 294

```

cgttgctgtc ggtgattctt ctgcctcagc ctctgagta gctggaatta caggagtgtg      60
tcaccatgcc cggctaattt ttgtattttt agtagacacg gggtttcacc atgtcggcca      120
ggctggtctc aaactcctga ccttgtgata caccacctc ataattttaa actgaatctt      180
tcttgatatc tcagtcccag gcaggtgctg gagcaggaga taggctccta caagcttagc      240
aacttctcat ttctatgtaa actcaagttt ggtcaggtct atattttccc acaaggactg      300
ctctgtggtc tatcagaagc cacctctcct cattgcttag ctggactctg gttttgcccc      360
gtaaaggctg tgctacaaag gagctaggtc agcctangc                          399

```

<210> 295

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 295

ggcacgaggt	ttataacagc	gaaaaagggt	ctccttttaa	aaaaaaactt	atctgtagta	60
ctgaatatat	aaacttttcc	tgaaacaatt	attcaaactc	tgcattcttg	atatcaatgt	120
ctctagcagt	agtagagcca	tatttttaaa	agagctttac	tanatacaga	tcataacatt	180
cagctgtttt	aaagtgatta	acgcattttt	ggaaattttac	agacttggtc	aaccacaacc	240
acagctgatt	taaaacaatt	tcatacaact	caaaaaccct	tgtggcattt	ggaagggtca	300
aaccatctcc	aaccaatctg	gttctattga	ctggcttttc	ttgccatttc	atataatagg	360
gaacatatga	cactgggggt	cctcattctc	gaacttttc			399

<210> 296

<211> 398

<212> DNA

<213> Homo sapien

<400> 296

cgttgctgtc	gctgcctctt	aggggcttga	gattaggtga	tggggcagtt	gttttcaatt	60
caggagctac	tgccaaaaga	ggggtaaaat	agatactgat	caatagtctt	gggtcattga	120
ttttcttata	tgaatttagt	gtcaaaggag	aagcctttca	gcatgtggta	ttttaaaactg	180
agtgccaaat	tgtggctcact	ttggaaacca	cattttaaag	atgcatacta	accagtattt	240
ccatgttttt	taaataacctg	atattagatt	tgtaccattt	gtagaatcta	tgttattaag	300
gcagatttaa	tcttgaaata	aattaatctt	catgtgcttc	tgagactttt	tttttttttt	360
gttaccatta	aggagttttc	atttcttttg	taaaccag			398

<210> 297

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 297

ggcacgagga	gagaactgct	ctcgagacta	gttctctcag	agagagagaa	ctagtctcga	60
gagcagnnnt	tttttttttt	tttttttttt	ttgaaaaagg	aattcccttt	ttgcccccca	120
cccggggggg	agggggcaaaa	atttgggttc	ctaaattctt	ccccccccgg	gtttaagggg	180
agaaccccc	ctcccccccc	aaaagggggg	gaataataac	cggggcccag	gacccccggc	240
ctaaactttc	ccttttttaa	ggggcccata	ccaggggttt	taaatatatt	aattgggggg	300
ggcaccccc	cccggtggtat	aatccaagaa	ctttttggcc	cccccaaaaa	aaacccccgg	360
ccttttaacc	accccccccc	agtttttctt	ttcttggcn			399

<210> 298

<211> 398

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 298

ggcacgaggt	cacaggatct	caaggcctgc	ctgttggtgg	ccctgggttc	ttgaagctga	60
gggtcagaac	ctctgtctct	ggctgctgcc	tcagggcagg	ggcctgggac	agcccattgc	120
aggccagggt	gtcctcccag	gagactttgt	ggggccgagg	agaaggcaaa	gctgccttgc	180
atttgcttgg	tgcttcttaa	gccccaaagtc	catccctccc	ctgaacagga	cgctcgcagg	240
gccctgcccg	tcagaatgca	cgtggagtcc	tctgaggttc	gggggtgtgg	gttgcaactg	300
agggaccatc	ttcctggaga	tcccgtaggg	agttccctac	aggcaggacc	tgaggccag	360
ccccaggaca	ccacccacc	ttcccggggc	ttgggaan			398

<210> 299
<211> 404
<212> DNA
<213> Homo sapien

<400> 299

ggcacgagat	taataagaca	gtcacactct	gtcgcccagg	ctcaaaaaaa	aaaaaaaaaa	60
aaaataattt	tgaaaaattg	ggcccccttg	ggggaaaaga	aatttttagg	attaagtttg	120
gaaaaacccc	caatttttgc	caatttttaa	ccccccaagg	ggggggggaa	catggaaaaa	180
acctgggaac	cagggttaaaa	acaagggggg	gatcccggta	aagggtttct	tttaaaaacc	240
ccatttttta	aacttggttt	ggcccccccc	acttttgaat	taacccccca	aaaaaaaaatt	300
tggggaggat	ttttgcccgg	acctaaaacc	cgggggggaa	aaccaaaacc	cccaaaattt	360
tattgggaaa	accctggggc	ccatttgagg	ggccccaaac	cccc		404

<210> 300
<211> 404
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 300

ctagggacga	gccgcgacca	ggaccggacc	gtctaggtgc	agagcaaggt	ccgaggggga	60
ccgccgccc	cggcacgtca	gctgccaccg	cancagaccc	agaggtaccg	agcgccaacg	120
tgtgcagagc	ccagcggcgg	agacatttac	ttgcgcggga	aggagtactc	ccataacctc	180
acctcagagc	ccaccctcct	gcagcacagg	gtggaggggg	ccgaggacac	gtcttctctc	240
tcttctgctt	ttctctaccc	agcacgcctg	tgggtccact	ctctgagctt	tctcccagtc	300
ctaggactcc	ccctctccct	gcagcacttg	atgacatgca	agcaggggag	tcagagagtc	360
caggggccc	aggatgcctt	gcaaaagctg	ttcgagatgg	atgg		404

<210> 301

<211> 401
 <212> DNA
 <213> Homo sapien

<400> 301
 cgaattcggc acgaggaaac tgcttctgaa ggaactctgg ctctgtgtaa acacaacaca 60
 cagactacct ggtgaaggca gcaggtgtgt cccaaaaaaa cctgccaaag caatcaccag 120
 ctccagagtg cctggggaag atggtacgct acctccaaca cagggcagcc ctctcaggac 180
 ctcaaagtgt cagacatgcc tcacaaaact gtccatggag ataaaggagg actttttatg 240
 tcaaaagtgt gaaaaacaga gctccagtgg aacaaattgt agttctgacc atgtttttaa 300
 tgagaatgga aatcttgagg ttttagtaca aagtcacgtg gacgggtgga gtactgaatt 360
 tgttgatcat gatcattttt ttgatgaaga tcttcaagct g 401

<210> 302
 <211> 400
 <212> DNA
 <213> Homo sapien

<400> 302
 attcgaattc ggcacgaggc tttccccagg gagggccaca gggggcacta tgtgctagag 60
 ggaaagtctt gtctgaggag ggtggagggg gcacaggag ggtgcatatg ggaggcagtg 120
 gagatactga gggctgtttt ctgtggtggg tagttcagag gtgtataggg caggtttgag 180
 aatgtcaatc acaagagaac acaggaaatg tgagggctgg tggcaggaac gcctgttgca 240
 aggggtaatg gtgggtggta gagcagaagc gtggaaataa ttggtctcaa gtctctgaca 300
 gagctttggg ttaggtgatt tctgccctaa gaatgttgag atcacaactg tctgtgcatg 360
 ggggttgggg gattatatgt actgacgggt gtatacatat 400

<210> 303
 <211> 403
 <212> DNA
 <213> Homo sapien

<400> 303
 cgttgctgtc ggggtcctct gcatectcac tctccccct agcccagggtg cagccccggg 60
 aggggtgccc tgaccccgcc ttaacaaccc aactttccca ccgaatcca tctggcgggg 120
 ggggggtttg ggtgccaaagt gccctggaaa cctattgtct tttggctcag ccaaaagaaa 180
 cattccctcc ttcctttcct tccgggcttg ggggaacctt cgtaaaaatc atagttaggg 240
 ttaagtccaa gcagtgaggc ctgacctggg ctctgctctc cttgttgaga cactaacagg 300
 cagttgggag gaaaatctgc atttgactcc accctctttg gggcaaagga gaagcagggtg 360
 acccgagggg gggcaggcca gaggagggcg actcgtgcac agg 403

<210> 304
 <211> 401
 <212> DNA
 <213> Homo sapien

<400> 304
 cgttgctgtc ggcagaacga ggccagtatg atcaatgggc tgggggcagc agaggcattc
 60ccctctggtt gtacagcgac agctgggaga gaaggcagca gccctgaagg cagtaccagg 120
 aggacgatcg aggggcagtc tccggagccg gtgttcggag atgctgatgt ggatgtgtct 180
 gcagttcagg cgaagttggg agccctggaa ctgaaccaga gggatgctgc agctgaaact 240

```

gagctcaggg tgcacccacc ctgccagcgg cactgcccag agccgccgag tgcacccgaa 300
gaaaacaaag ccaccagcaa agctcccaa ggcagcaact caaaaacccc catctttagc 360
ccttttccca gcgtcaagcc ccttgcgga tctgctactg g 401

```

```

<210> 305
<211> 400
<212> DNA
<213> Homo sapien

```

```

<400> 305
attcgaattc ggcacgagac ctgccctgtg cttcgagggc tccccgcctc ccgaggagct 60
cccggcgggtg cacagtcatt gtgctgggcg gggcgagcct tggccggggc ctgcctctcc 120
ctcgggggat caggtgtcca cctgcagcct ggagatgaac tacagcagca actcctccct 180
ggagcacagg gggcccaata gctctacctc agaagtgggg ctcgaggctt ctctggggc 240
cgcccctgac ctcaggagga cctggaaggg gggccacgag ttgccgtcgt gtgctgctg 300
ctgcgagccc cagccctccc cagccggggc tagcgccgga gcagctggca gcagcacctt 360
gttcctgggg cccacacctc acgagggctc tggccggggc 400

```

```

<210> 306
<211> 398
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

```

```

<400> 306
cgttgctgtc ggcagaacga ggccagcaag accaatgggc tgggggcagc agaggcattc 60
ccctctggtt gtacagcgac agctgggaga gaaggcagca gccctgaagg cagtaccagg 120
aggacgatcg aggggcagtc tccggagccg gtgttcggag atgctgatgt ggatgtgtct 180
gcagttcagg cgaagttggg agccctggaa ctgaaccaga gggatgctgc agctgaaact 240
gagctcaggg tgcacccacc ctgccagcgg cactgcccag agccgccgag tgcacccgaa 300
gaaaacaaag ccaccagcaa agctcccaa ggcagcaact caaaaacccc catctttagc 360
ccttttccca gcgtcaagcc cctgcggaaa tctgctan 398

```

```

<210> 307
<211> 399
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

```

```

<400> 307
ggcacgagcg gaagtgtcga tccctcagcc agggcatgga gctctcctgc cccggttcgc 60
ggtgcccggg gcaagagcag cgtgcccgtt gggagcgga acgcgcctgc accgcccggg 120
agctgctaga gaccgagcgg cgctaccaag aacagctggg gctggtggcc acgtactttt 180

```

```

tggggatcct gaaagccaag gggaccctgc gaccacctga gcgccaggcc ctgttttggt 240
cctgggagct catctacggc gccagccagg agctgcttcc ctacctggaa ggaggatgct 300
ggggccaagg gctggagggc ttctgcccgc acttggagct ctataaccaa ttgctgcca 360
actcagagag gtcccagacc accctgcagg agcagctan 399

```

```

<210> 308
<211> 398
<212> DNA
<213> Homo sapien

```

```

<400> 308
ggcacgaggt cgcctttgcc cgcgcccccc gcctcccat cactggtctc tacaacaaga 60
gtccctacta ctgcgggact tgtggccgct ggttcgcgc catggcgggc ttgcgactgc 120
atcagcgggt ccatgcccga gctcggactt tgacgctaca gcctcccaga tcaccatctc 180
ctgccccacc cccacctcca gagcctcaac agactatcat gtgcacagag ctgggggaga 240
ccatcgccat cattgagaca tcccagccac tggcgcttga ggacaccctg cagctgtgcc 300
aggctgcact gggggccagt gaagcaggcg ggctcttgca gttggacacg gccttcgtgt 360
gacgcagctg aaaagcaaca acaaaagggg ttggttgg 398

```

```

<210> 309
<211> 401
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

```

```

<400> 309
attcgaattc ggcacgagac aagggtggacg cccaggagga gaactttctg cccaagtacc 60
agcgtgtgaa ggacctgtgt cagcgtgctg agtaccagac ggcgtgtgag cagctgggac 120
agaagtggca gtgtgtggag gacgccacgg ggaagctgaa gctgcataag tgcaagggcc 180
ccatgcggct gggcggcagc agagccctct ccaacctcgt gcccagtac tacgggcagg 240
gcagcgaggg ctgcacctgt gacagcggng actacaagct cagcctggcc ggacgccgga 300
aaaaactctt caagaagaag tacaaggcca gctatgtccg cagtcgctcc atccgctcag 360
tggccatcga ggtggacggc aggggtgacca cgtaggcctg g 401

```

```

<210> 310
<211> 400
<212> DNA
<213> Homo sapien

```

```

<400> 310
ggcacgagga tcttctgaaa gctttgattt ttctccaggc agtatgcatg caccttccac 60
ctcctccact tcctcctctt caaaggaaga gaaaaagctc agtaattcct tgaaaatgaa 120
agacttttcc aaaaacgtct ctaaagcgt cacaccagat ggaggacca tatgtgtagg 180
ggacatcggt tgtgccaaaga tatatggctt ccctcgggtg ccagcccgtat ttcttactat 240
aactgtgagc cggaaagaca acggcctttt agtccgacag gagggccgta ttcatgggtt 300
tgggtctcca acaacatctt tccttgctct ttcacaactc tccccctttt tataaaactt 360
ccagtcacgc tctaataaca agagaaaggg cctgtatcgc 400

```

<210> 311
 <211> 400
 <212> DNA
 <213> Homo sapien

<400> 311
 ggcacgagtg tccttccacc accagcaccg gaccacctgc tccaagacca gcctcctggg 60
 gggaccacgc acccggcctt cactggcacc cagggagccg tcctcagcag cgtcaacatg 120
 tcaaggccca gcagcagagc catttacttg caccggaagg agtactccca gaacctcacc 180
 tcagagccca cctccttgca gcacaggggtg gagggggccg aggacacgtc ttcttctct 240
 tctgcttttc tctaccagc acgcctgtgg tccacctctc tgagctttct cccagtccta 300
 ggactcccc tctccttgca gcacttgatg acatgcaagc aggggagtca gagagtcag 360
 gggcccgagg atgccttgca gaagctgttc gagatggatg 400

<210> 312
 <211> 404
 <212> DNA
 <213> Homo sapien

<400> 312
 gaatacctgg tccacgtggc cccacactgc gccaaacttc tagtgccctc tcagaaccta 60
 cacctgaccc tggccctgct gcgactggca ggcgctgggg aggaggccgc tgccattgga 120
 gctctgagac gggccctctt ggccccgggg ctaaatgcac cccctcggct gagctttata 180
 aagctggtec tccctggccc gcctgtgctg tgtgccccac cctctccac actggaaagc 240
 atggcacaag tgctgagcca gaggttgga gccgaggggc tgagtacact acagtctcca 300
 gggcagctgc acccccacct caccgtggcc aaggtgcccc atggttccca ggtccacctc 360
 cccaagctgg agttcaccc cagccaggaa gtggagtgcc agcc 404

<210> 313
 <211> 404
 <212> DNA
 <213> Homo sapien

<400> 313
 tgtcggggga ggcgtgggag gtattaggaa acggtttgga ttttgtgtgt gggagggtat 60
 tttttggggg tagatgactg tcactttcct aagcgctttt attcctttcc tttcttacag 120
 gactgcgcag gctttgccta gaaaaacccc aggcggatgg cgggcacaca cctgaggttg 180
 tagccccctt atctgccttc ccggtactga ccccttgacc acaattctcc ctgaccccaa 240
 gtgccacgcc tcataccttg cacctaaccg attgccaaga tccactacta tgaagacagg 300
 ctataaccta acgacctgcc tgggtccacc ccggatactc acctttctca tgccacatga 360
 tgcgcgagcc tccaacactg aagccaaaga gctcaccttc cttg 404

<210> 314
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 314
 cattccgcac gagagaagag aaaacaaacg ctgctaagga gttagaaaag ttacagcaca 60
 gttctgaaac tgaactaaca gaagccttgc ataaacggga agtacttgag actgatctac 120


```
<210> 315
<211> 398
<212> DNA
<213> Homo sapien
```

<400> 315

```
<210> 316
<211> 398
<212> DNA
<213> Homo sapien
```

<400> 316

```
<210> 317
<211> 400
<212> DNA
<213> Homo sapien
```

cgttgctgtc gcctccttcc tcatgaagcc catcaacaag tgcattggga ggaacatgac 60

ctactttctca	ggcctcctgg	tgatcctggc	ctttgccgcc	tgggtggcgc	tggcggaggg	120
actgggtgtg	gccgtgtacg	cagcggtgt	gctgctgggt	gctggctgtg	ccaccatcct	180
cgtcacctcg	ctggccatga	cgcccgacct	catcggtccc	cacacgaaca	gcggagcggt	240
cgtgtacggc	tccatgagct	tcttgataa	ggtggccaat	gggctggcag	tcatggccat	300
ccagagcctg	cacccttgcc	cctcagagct	ctgctgcagg	gcctgcgtga	gcttttacca	360
ctgggcgatg	gtggctgtga	cgggcggcgt	gggcgtggcc			400

<210> 318

<211> 400

<212> DNA

<213> Homo sapien

<400> 318

ggcacgagcc	agcaccggac	cacctgctcc	aagaccagcc	tcctgggggg	accacgcacc	60
cggccttcac	tggcaccag	ggagccgtcc	tcagcagcgt	caacatgtca	aggcccagca	120
gcagagccat	ttacttgcac	cggaaggagt	actcccagaa	cctcacctca	gagcccaccc	180
tcctgcagca	caggggtggag	cacttgatga	catgcaagca	ggggagtcag	agagtccagg	240
ggcccagga	tgccctgcag	aagctgttcg	agatggatgc	acagggccgg	gtgtggagcc	300
aagacttgat	cctgcaggtc	agggacggct	ggctgcagct	gctggacatt	gagaccaagg	360
aggagctgga	ctcttaccgc	ctagacagca	tccaggccat			400

<210> 319

<211> 398

<212> DNA

<213> Homo sapien

<400> 319

gatagagaaa	aaaaggccca	gagagagtcc	cctcaggcca	actttggttt	tcactttctca	60
gttctgagag	ccgaggaagc	aggaaggagc	tgtgagagac	tgagctctaa	ccttggccat	120
caaagacaag	ctgtgcagct	ctgggttttt	gagggcagga	catggagggt	cagggccagc	180
tggaggcgca	ccaaagccca	gagaaaattc	agaaccacgt	gaacttggtg	gatttcagcc	240
ccttgaagca	catgttgcta	ttgcagctgc	cttgataact	ggggggacag	gaggagcacg	300
gctttcccat	cttgtaagg	gactcgccaa	tccagttgcc	cctggaagag	aaaaggaccc	360
aggagacaga	ggagcttagg	actcattcaa	tctttatg			398

<210> 320

<211> 399

<212> DNA

<213> Homo sapien

<400> 320

ggcacgaggg	cttattactg	ccgtttatac	gcaatgcaga	ctggaatgaa	gatcgagagt	60
aaaactcctg	aatggcgcaa	atTTTTatca	aagttaatgg	atcagttaga	agctctaaag	120
aagcagttgg	gtgataatga	agctattact	caagaaatag	tgggctgtgc	ccatttggag	180
aattatgctt	tgaaaatggt	tttgtatgca	gacaatgaag	atcgtgctgg	acgatttcac	240
aaaaacatga	tcaagtcctt	ctatactgca	agtcttttga	tagatgtgat	aacagtattc	300
ggagaactca	ctgatgaaaa	tgtgaaacac	aggaagtatg	ccagatggaa	ggcaacatac	360
atccataatt	gttttaaagaa	tggggagact	cctcaagcg			399

<210> 321

<211> 399

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 321
ggcacgagag aaaacctcct ttgggagacc aatgtgggac aatgagtttt ctacaatagc 60
tacctccac cccaagtctg tagtgggagt tttcttatgt ggccctcgga ctttggcaaa 120
gagcctgcgc aaatgctgtc accgatattc cagtctggat cctagaaagg ttcaattcta 180
cttcaacaaa gaaaattttt gagttatagg aataaggacg ggaatctgca ttttgtctct 240
ttgtatcttc agtaatttac ttggtctcgt caggtttgag cagtcacttt aggataagaa 300
tgtgcctctc aagccttgac tccctggtat tctttttttg attgcattca acttcgttac 360
ttgagcttca gcaacttaag aacttctgaa gttcttaan 399

<210> 322
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 322
ccaagacag ctcagacgtc aagagcaaga cttacagaca ttagcacggc tccatcttgt 60
ctctcattga cagtgaggcc ttctcttacc accctattaa aatggcagct cctccattta 120
tggttctcct tacccaacct ttcccatcct ctttttctcc ataccacttt aaaccatttc 180
acttatgata tattttgctt atattgtgca ttgccttttc ttctccacct gatataagct 240
ccatgaaagc aaggattttt gctgggtttt atttctgtag atttcaagca cctagtacaa 300
cagtgcctgg catttatttan gaacccgagt atttgaatga actattttat taattgtagt 360
ctatacttgg aaaagggtta atttttttaa a 391

<210> 323
<211> 396
<212> DNA
<213> Homo sapien

<400> 323
cggtgctgtc ggtgggagat agttatatta gctatccac aggattgttc ttatttttaa 60
gtgaaatggt acgtgtaaaa caaatggcat ggtctttgat atataataaa cgtcttacgt 120
gatgttagct attgctgctt aagacaaaaa gaagtgatgt ataaaaggac ttatagtttt 180
attggagggt cccaagcctt catttataag catttcatga gatttaactt tgttttttga 240
tggcattaag caggcaacaa aacctagtat ttctcagtta cagatactgg caagtctgtg 300
ttgctgcagt aggagcagct ggccgtgttc actgattact aattgatcga gttatttttc 360
ttaattctct tctaatttcc agccgtctca gtcctt 396

<210> 324

<211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 324
 ggcacgagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttttt 60
 tttttttttt tgggtttttt ttgttttttt tagttgtttt tttttttttt ggggcccccc 120
 cccaattat aaaaccccc agaaacgagc ccaccggggg ggggggacaa ccccccccg 180
 ggggggggag gactgaaaca cggaccgcga cccccccccc ctacaaagat atttttgggg 240
 ggggggaaaa ccaccacacg caaaaaccgg gggggggaaa ccccccccg gggtttttcc 300
 ccccgggggg ggggggtaaa aacagaaaaca ctaccgcga gggaccccg gggggggggg 360
 gggggccccc aaaaaaagat gcgggggggg aacccg 396

<210> 325
 <211> 393
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

<400> 325
 ggcacgagct cggccttcca gagtgtgga attgcaggcg tgagccaccg caccagcca 60
 gttgaactta cttgaacatc cgcaaattat tttttattat tttttttt tgagacggag 120
 tctcgctctg tcaccaggc tggagtgcag tggcgcgac tctgctcact gcaagccccg 180
 cctccctggt tcacaccatc ctacctcggc cctcaagggt gctgggatta caggcgtgag 240
 ccaccgtgcc tggccaaaca tctgcagatt aagtgtcggg aatagggtta gactgtactg 300
 tgccgtatat tagattagggt gatcttttaa attcctcatg agttttctcc agtccacttg 360
 gaagttcagc cgggtgggaga agtttagtct gtn 393

<210> 326
 <211> 393
 <212> DNA
 <213> Homo sapien

<400> 326
 ggcacgagct tattccctag gtccttttat gtttttgacc aagctggggt cccccagctg 60
 gtattatgga cttacacagt tctgatgtta gatgttaaag agttgccact cattgttttc 120
 gttgctttca acaaaatccc tggggatagg gcttttccca ctgagctagc cagagtccag 180
 tcaaataaca ggactttcaa atggagcttt tctatgaagc tgccagacaa gacaggactt 240
 tgggtacaaa actttttgag gaggtgcaaa cctgaactgt cccccacct gccagtggct 300
 gcacagctct aggttttcat agttgccatg ggtacaagac ttcaggtttt gaaggctact 360
 gtggagctgg aagaaaaggg gagcaaggca agt 393

<210> 327
 <211> 391
 <212> DNA
 <213> Homo sapien

<400> 327
 ggcacgaggt gagttacaca gctagaaggt gccagggttg tgctgccaga gattcagagg 60
 tgccatacac ttgtcaaatac tggatcattc gtagtgccag cacagtccta aaagggctgg 120
 agtaccacac caacacaggt aggggtgcag ggcttcaagt acaaagattt gcatccatgt 180
 atgtatcaaa agtgggttct ctgggctgag gctttgtcta gtagtaccac agtggctaaa 240
 gtagaagaaa accaaatcaa atgggatgtg tcttttggga ggatgtacaa gacacaaatc 300
 tttcactatg caccgggcac agggaaaact gcagggaaca agagttgtag tgttagtgca 360
 actgtctcaa cgatgctgtg tggcttcaga a 391

<210> 328
 <211> 393
 <212> DNA
 <213> Homo sapien

<400> 328
 attcgaattc ggcacgagct ggagagcagg tgtccagccc cagcagccac cccgccctcc 60
 acaccaccac cgaggacagt gcaggggtgc agactgagtt ctaggccagt gggtccttga 120
 ctgctgcaca tggcacaggc cgttcccttc cggaccacag caggctcagc tctggggagg 180
 gcaccctggt ctgtgccttg tgggtggagg cggggcaggg ctgtgtggca ccgccaggga 240
 gcggggccac ctgagtcact ttattgggtt cagtcaacac tttcttgctc cctgttttct 300
 cttctgtggg atgatctcag atgcaggggc tggttttggg gttttcctgc ttgtgccaag 360
 ggctggacac tgctgggggg ctggaaagcc cct 393

<210> 329
 <211> 393
 <212> DNA
 <213> Homo sapien

<400> 329
 ggcacgagca gagccactat ctccattgaa gctgaaatgg tagacctgta attgtgggaa 60
 aactataaac tctcttggtta cagccccgcc accccttgct gtgtgtatat atataatact 120
 ttgtccttca tatgtgaaag atccagtgtt ggaattcttt ggtgtaaata aacgtttggt 180
 tttattttatc aaggtagat ttaagttccc tgtgtaaagg tcttgctggg tgggtgtctc 240
 atgttcacat ctgagggggc tgcagccctg taccgtggag gcttcccaag gccccattt 300
 tatacacccc tcgttcgacc catggtaccg ggcagagcag agaggcctta taaaaaagc 360
 accacaagcc aaagcgtctc tggggattaa ggg 393

<210> 330
 <211> 395
 <212> DNA
 <213> Homo sapien

<400> 330
 cgttgctgtc ggctgtatc cataatttga aggaaatggg aagagtgatt agtgaaatgt 60
 aattactgta attttttccc cattcaactt tatatatctt taactgatga ccagatcatt 120
 gttgtttctga accagtttgt ggctcagcaag tgttttgtgg ggttttgttt gtttgttttt 180

aaagaacagt	ttgggtcact	tgacatgggt	ctccaaaggg	atgttatggg	ttgtatttgg	240
ctctgggtga	taaccgactt	gttagataat	ttagataagc	aaccgagttg	ccatgtttgt	300
ttgtcgaacc	tcaagtgtag	cttatatattt	atgttcctag	agagcgtgtc	agggagaagc	360
tgaccctttt	ggcaaaccgt	ttgctagata	ttcag			395

<210> 331

<211> 395

<212> DNA

<213> Homo sapien

<400> 331

cgttgctgtc	ggccctgaag	ccatagagca	accaagtggc	cagctgaggg	tgccagccca	60
gccctccccg	cagggcctcg	cgggtcacc	acgctgcgct	gtgctgcttc	gtgagagtga	120
gcgcattctgt	gatttgcgtg	gcctggcgct	catgggggtt	caccagctt	ctgagttcag	180
gtagttagac	gatttccagc	gtcctttcag	aggggctctc	agaactgctt	ttgtttgtag	240
aattgatttt	ggaaaagtct	taaaatattc	atgaagtttt	tttttaaaaa	agctggtatt	300
aaaccttgaa	aaagttaact	gaaatttgga	agggcgattt	ctgaattagc	tagggaggaa	360
taatgaaaaa	atattataaa	ctatatcagc	taaat			395

<210> 332

<211> 392

<212> DNA

<213> Homo sapien

<400> 332

ttgtgtgaag	gaaacttgga	tcaaaaatct	tacgtgattg	attattactt	gccaaaatta	60
ttaagttaca	gccctgaaag	cttacagtac	atggtaaaga	ttcttcagac	ttctattgat	120
gctaaaactg	gacaagagca	atctttccca	tccttagggg	cttgtaatag	catgggggct	180
ctgggagctt	tgatggcatg	tctgcgaata	gctagagctc	atggacatct	tcagtctgca	240
actgatacct	gggagaacct	cgtgtctgat	gcaagaataa	agcacggctt	aattcatcag	300
cattgccaaag	taaggataga	tacattaggc	ttgctttgtg	aaagtaatcg	gagcacagaa	360
attgtttcca	tggaagaaat	gcagcggatt	ca			392

<210> 333

<211> 392

<212> DNA

<213> Homo sapien

<400> 333

ccatcgattc	gaattcggca	cgagccagcc	cgccccagc	ctgtggacgc	ctggccccacc	60
ctgagtgtga	gtcacagaga	ccctggcggg	ggcaccctcc	acccccaggc	ttcctcaggg	120
ctgtgggctg	tgccgggact	atggaaggga	gcaggagag	accctgccac	caccggaggt	180
ggctacgcga	gtgtggactg	caggctcctc	ctggggaagc	tgggcaggct	cgctttcttg	240
tcacggggcc	attccagggg	gcaccccttg	ctccgggtcc	cctgcagtga	ggggcctgtg	300
aacccccacca	gggcagcagc	ccctcccagg	gacccctcct	ttcctgtagg	gcggcgccgg	360
cccacctggg	agcctcagat	ccccctcttc	ca			392

<210> 334

<211> 393

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

<400> 334
 cgttgctgtc gtaccattca acaaagtttt atttttaaatt aaatatagaa attattggca 60
 acaacactgg ataggattta aaacaaaaat aaaaattgtt taccaaagtc aaatgatttg 120
 aaaacatttt taaaagctta tgtgcctgtt aagatgaagg ccttgcgcta gttgctcatg 180
 aatcaatagc taatatgacg taagagagta aaaggaggca gatagctaaa taagtgggtat 240
 ggtggtgggc gcctgtagtc ccagctactc aggaggctaa ggcaggagaa tggcgtgaac 300
 ccgggaggcg gagcttgacg tgagccgaga tcacgtcact gcactccagc ctgggccaca 360
 gtgtgagatc tgtctcanaa aaagaaaaaa aaa 393

<210> 335
 <211> 392
 <212> DNA
 <213> Homo sapien

<400> 335
 ggcaacgaggg tggtttgtgc agtgacattt ggcagtgttt tctcggcaag cgagtctttg 60
 aggctgccct catgctgttc agtgggcaca ccaagaacaa gagctggcca gggatgacgg 120
 acgcactctag gccttctcgg cctaagggtt acattagtta tacactctgg aggtgacttg 180
 acctgtcatt gtgaacaatt attgctcttg gacgaccag gacataggcc agccagtact 240
 taccocagtg tgttgagaa tcgcgctcgg cttcttcctc tgtgctgagt catgaaagtt 300
 gccggagcag gtgcagttac acaacctcca ggtatgatcc tgtttaagga ctggatttag 360
 gataactact tagagggttaa aagtcacaag gg 392

<210> 336
 <211> 394
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = A,T,C or G

<400> 336
 tgttcctttg gccgaagcgg cctactgttg gcagaagacg acagaaggga ttgtctgtc 60
 ccttgttttt aagcaaattc cagaaagcca ttcatttcac tggttaatgt gttggaatgt 120
 ttttaaggcag attccagaca ctacatttca tctctaagtt tgtcagagtt catctctaaa 180
 aaataaggac tgcttattat atcatcaagt gccaatatca cagagtcctat atccagattt 240
 tctttttgtt ccctgggtgt cttttttttt tttttttttt taaacgggat tccccctttg 300
 cccccacccc tgggtgggagg gggggaaatt tggtttaatg gaagccccc ctcccggatt 360
 aaccccat tccaaccccc gccctcccgg gagg 394

<210> 337
 <211> 396
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 337

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cgttgctgtc gggggacgtg tgttccctca aagtctgtgc catcttctcc caccctgcc      60
gggtagaaaag aggggctgac cccagggctg agagagggga ggggactgga gggcagactg      120
gcttctcggt ccccaaggag ccgcttgggc tgttggcttc cagagcaggg ccactgggca      180
ctctgtgagg ggggagcctt tgtatgaaag cacaaccccc tcgcgcttgc tgtccacatg      240
ggttcccttt cattggcatt aatctgggca ccagctctct ccatagcagt gacttgcttc      300
accactctca tgtctcagcc ttgccttttc ttactgacac tgtcgcccc tcctctcagg      360
agacaatgac tatggccacc tgacagaagg cttatn                                     396

```

<210> 338

<211> 392

<212> DNA

<213> Homo sapien

<400> 338

```

ggcacgaggg aaggtccagc ccaggagggg ccatgtcaag gaggttccat gcccaggagg      60
gtccatgctg aggtgggtcc atgcccagga gggttcatgt ccagaaaggc ccatgcctag      120
gagggcccat acacaacaga gccctgtgcc caggaaggac catgtcaagg agaaccctcat      180
gcccatgagg gtccatgccc agtaagggcc atgcccata gatcctcatg cccaggaagg      240
cccatgccc ggaggggtcca tgcccaggcc agttcatgca caggagggcc ccatgcctaa      300
aagtgtccat gcccaggaag gtccatgtcc agaagagtcc ataccagga gggctgatat      360
ggtaggctt tgtgtctcca cccaaatctc at                                     392

```

<210> 339

<211> 393

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(393)

<223> n = A,T,C or G

<400> 339

```

tcgaattcgg cagcagccag gagtcaaccc agaacttgcc ctgaaggact tcgccacaca      60
accaacctct ccaagacaaa cggagaggaa aaaggaagct gccgaggaag agcccacagt      120
atgtcctcac ttggggaaaa agaaaactat gcatggattg gtatatgtaa tatacatata      180
tacatataata tatatatata tatatgcatt aagttagtaa caaaaagtct ggaaggatac      240
gttcaaacta ttaactgggg ttacctgcag ggaggggtgcc aagggaactt ttacttttac      300
tacatatatt tctggcttat ttggattttt cacccaaaga tccaagtgt acttggagta      360
gttaacatga gaagaataat aggggtgcaa tan                                     393

```

<210> 340

<211> 393

<212> DNA

<213> Homo sapien

<400> 340

```

ggcacgagga gccccgggcg gcactggatc gggccccgga ggggtgtgggg ccttgaggaa      60
gccagatccc aggcctcggg ggtggctttt tcgcaattgt cgcacgttgt gaggcgcagg      120
attggcgctg ggtctcgggc tcggggcgag gaactacggt tcgggcccag tgccaaagag      180
atggatgaga ctgttgctga gttcatcaag aggaccatct tgaaaatccc catgaatgaa      240
ctgacaacaa tcctgaaggc ctgggatttt ttgtctgaaa atcaactgca gactgtaaat      300
ttccgacaga gaaaggaatc tgtagttcag cacttgatcc atctgtgtga ggaaaagcgt      360
gcaagtatca gtgatgctgc cctgttagac atc                                     393

```

<210> 341

<211> 392

<212> DNA

<213> Homo sapien

<400> 341

```

ctgtagtccc agctactcgg gaggctgaag caggagaatg gcgtgaacct gggaggcgga      60
gcttgacgtg agccgagatc acaccactgc actccagcct gagcgacaga gcaagactcc      120
atctcaaaaa aaaaaaaaaa gggggggggg ccaaaaaccc aaaaaggggg gacaaaaggg      180
ggcccccccc ctttggggga aaaaagggaa ccctaggccc cccaaaagga atttggggga      240
gcccccccg cccggcgggg gaaaaaaacc cgggggttaa attgggagcc tttggcgggg      300
ggggcaaaaa acccttgggg gttaacccct ggaaggagcc CCCaaCCCa cccccccggg      360
ggggaaaacc ttaaattggg cccgaacggg gg                                     392

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<210> 342

<211> 397

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(397)

<223> n = A,T,C or G

<400> 342

```

attcgaattc ggcacgaggg gacatgagtg tccttggggc gccgtcttcg gacggggccc      60
tgacacgggc accctactgc ctggaggccg gggagccgac gcctggttta agtgacactt      120
ctccagatga agggttaata gaggacttga ctatagaaga caaagcagng gagcaactgg      180
caaaaggatt gctttctcat tatttgccag atctgcagag atcaaaacaa gccctccagg      240
aactcacaca gaaccaagtt gtattgttag acacactgga gcaagagatt tcaaaactta      300
gagaatgtga ttctatgttg gatattaatg ctttgtttgc tgaggctaaa cactatcatg      360
ccaaagtggg gaacataaga aaagagatgc tgatgct                                     397

```

<210> 343

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 343

cgaattcggc	acgaggggac	atgagtgtcc	ctgggccgtc	gtctccggac	ggggccctga	60
cacggccacc	ctactgectg	gaggccgggg	agccgacgcc	tggtttaagt	gacacttctc	120
cagatgaagg	gttaatagag	gacttgacta	tagaagacaa	agcagtggag	caactggcag	180
aaggattgct	ttctcattat	ttgccagatc	tgcagagatc	aaaacaagcc	ctccaggaac	240
tcacacagaa	ccaagttgta	ttgttagaca	caactggaaca	agagatttca	gaacttanag	300
aatgtcattc	tatgttggat	attaatgctt	tggttgctga	ggctaaacac	tatcatgcca	360
agttgggtgaa	tataagaaca	gagatgctga	tgcttn			396

<210> 344
 <211> 394
 <212> DNA
 <213> Homo sapien

<400> 344

aattcggcac	gagaaggatc	tgtctgtgtg	tcatggagca	cctggagtg	tctgtctgga	60
atgctggctg	ggagccttct	cctggcattt	gaacgagggg	cagctgtgtc	ctctgtttgc	120
cgtgtaaaga	aaagaggaca	gagctcagag	gagatgaacc	ccagcagaaa	gggggtgctt	180
accagcagga	gagaagataa	ccaagagggg	ctgtgggtgt	ctcttctgag	ctacaccagt	240
ttccagggtta	cctgggacca	tggataactc	tcagatcagc	aacttgtcag	ttgatttcca	300
agctgctgtt	ggctggactc	agactcagca	gggagcacct	gggcgagccc	tgtgctgcgg	360
gctggactcc	ggcccatctc	gctgattact	cttg			394

<210> 345
 <211> 392
 <212> DNA
 <213> Homo sapien

<400> 345

ggcagcagcc	tttctccacc	ctgcttacc	aacctgaggt	aagaccagtc	acactggctc	60
ctccctccta	gagggggtca	gggggagggg	gtatattgac	atgaacaggg	atagagggta	120
aactggctcc	ctgaatatgc	cagccttaac	ctccattcca	ctgccagctc	cccttcaaag	180
aggaggagct	gggcttccct	aacctctgca	ggaggcaggg	cctccaggcc	taggtgcagc	240
ctggccctgg	gatgggatgt	ggggagtga	tggtgaggat	ctgcattggt	gggaggggtg	300
tccgctgccc	tggagaaggg	ttaattcagg	gagcagtgga	cttcacaccc	ccatccaccc	360
tcctccaagc	ctgtggaatc	ctttaatcaa	gt			392

<210> 346
 <211> 394
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = A,T,C or G

<400> 346
gaatttttatt agacacttta aggaaatatg agattttggaa cacagatggt catcataaaa 60
cataataactg aaagtttgag aatgacccaaa acatccaaaa ataaggaaag ttataaatta 120
agattttatcc atataatgga atatgaaaca aatcatgtct tcaagaattt aatgacagaa 180
aaatgtccag tggatagtag ttttcaaaag ctaggaaaac tacattcagc atgatcccaa 240
ttttatgtaa caaattcgta aggaaggaaa tttcttaact tacacatcac cagccattct 300
ttctaggttg tagaatgaca ccagtgtggg ttgtgggggt tttgtttttt gtntgggggg 360
ataatttctg cccatttatt gcacttttac aatt 394

<210> 347

<211> 394

<212> DNA

<213> Homo sapien

<400> 347
gggcttcttg attataggag agatataagg tactgatgat gcttcctgat gtgtaaagaa 60
ctgttcaata gaagaaatta aaaaactatg ccaggaacag ttagagctcc tgtctgaaaa 120
aaaaattttg aagattcttg agggtgacaa tggaatggac tctgatatgg aagaggaagc 180
agatgatggc tctaagatgg gatctgattt agtcagtcag caagacatct gtatagattc 240
tgcttcatcc gtgagagaga ataagcaacc tgaaggtttg gaattaaaac aaggaaaagg 300
ggaagatagt gatgtactca gtataaatgc agatgcttat gacagcgaca tagaaggccc 360
attgcacgaa gaagcagctg ctccccgggc accg 394

<210> 348

<211> 391

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(391)

<223> n = A,T,C or G

<400> 348
attcgaattc ggcacgagac agagggcttt ggagtccttc gccacgaccc tttgcctgac 60
cccctcaagg tccccccacc actgcctgac ccatccagca tctgcatggt ggaccccgag 120
atgetgcccc ccaagacagc acggcaaacg gagaacgtca gccgcacccg gaagccccctg 180
gcccgcacca actcacgcgc tgccgcccc aaagccactc cagtggctgc tgccaaaacc 240
aaggggcttg ctgggggnga ccgtgccagc cgaccactca gtgcccggag tgagcccagt 300
gagatnggaa gccnggcaac ccctgtccag aaagtcctca cccccagaa ctgcacttcg 360
aggcccggcg ggccagccac gageggcccc g 391

<210> 349

<211> 391

<212> DNA

<213> Homo sapien

<400> 349
ggcacgaggc cttctccacc gatggtcaga ctgtcctctc tggagacaag gatgggctcg 60
tggtgtgag ccacccctgc acagggacaa cttccgtgt gctgagtgac caccagggcg 120
ccccaatctc taccatctgt gtcacgtgca aagagtgtga agacttaggg gtggagggga 180

```

cagacctatg gctggctgcc agtggggacc agcgggtcag cgtctgggcc tccgactggc 240
tgcggaacca ctgtgagctt gtggactggg tgagtttccc aatgcctgcc accacggaga 300
ctcaggggcca cctgccaccc tccctcgtct ccttctgccc ttgggatggg gcgctcctga 360
tgtacgtggg ccccggtgtt tacaaggagg t 391

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<210> 350
<211> 397
<212> DNA
<213> Homo sapien

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<400> 350
ttcgaattcg gcacgagga ggacgttgcg tggagtgggt ggaggaggcg ggagccgtgt 60
gcgagagcag gtggaaagcc ttgaggggca ggaccaggat gcagctggct tgtagaagag 120
ctcaggagtg agcctggcac tccagagggc gcggcgggtg gggaggcagc aggcaccagt 180
ccaggagagc ttcgtggacg tggctcctgc gcgcacaccc ccaggagcac agccacgggc 240
tgcaggtgtg gctggcctca gcactcagtc ctcacccgga gcctttgcct gctcctcctt 300
ccaagagcac tgaggcacca gtgggcttgc actccacctt gggcttcctt ttcttgagaga 360
gccgccttga gggtccttcc tgtgactggg gtctctg 397

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<210> 351
<211> 391
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

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<400> 351
ggcacgaggt gaggagtagt tgctggccag cctggatgac gacctctgac ccatgtcgcc 60
actggagctg gtggcagtg ggctggggag gaaggaacgc caagggccac agagagaacc 120
caggctccat ctgggccgag acatcctggc ctctgagttt gacaggggag cccactgccc 180
ggccaaacag gagctggggc tgggagctca gactcagtc agcccagggt ggagtccctg 240
ggaaggagat agcccacgag cctcaccagc cctgggtgac agccagatgg tgtccgaagc 300
cccangcctg gggcaggcag ggggtggtct ggcccaggat gaacggaggc caactgggta 360
acaagcaaag tcggtgggca ggggctcata g 391

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<210> 352
<211> 393
<212> DNA
<213> Homo sapien

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<400> 352
ggcacgagcc gagaccacgc cagcacttg gcggcagga cccggaggcc gaccccttgg 60
cggaaccag cacaaagtgt tggcatcgcc cggcgcccg gacagtcctg ggcacagcct 120
cggtctgag tccctccgcc tcccagcgac ggacgccaaa gggtcgccgg ccgcctgagg 180
ctcctcccca ccacagccat ctggtttatc ggaccaggag caggcatcca tgagacctca 240
gagcttcaga tcgaggcctt ggggggtccg ggcccccca ggaaacacgg tgaggcccca 300
gcgcctgcag ccaaagctgg cagatctat ggggcagggt ccgctctgcc tagaaaagcc 360
aggggtctct ctgccgtgcc ctccagagcc cat 393

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<210> 353
 <211> 392
 <212> DNA
 <213> Homo sapien

<400> 353
 cgaattcggc acgagggtttt gctgcgttcc tactgtctct atgttctcct gcttgccatc 60
 aatggagtga cagagtgttt cacatttget gccatgagca aagaggaggt cgacaggtac 120
 aattttgtga tgctggccct gtcctcctca ttcttggtgt tatectatct cttgaccctg 180
 tgggtgtggca gcgtgggctt catcttggcc aactgcttta acatgggcat tcggatcacg 240
 cagagccttt gcttcatcca ccgctactac cgaaggagcc cccacaggcc cctggctggc 300
 ctgcacctat cgccagtcct gctcgggaca ttgcccctca gtggtggggt tactgctgtt 360
 tcggaggtat tcctctgctg tgagcagggc tg 392

<210> 354
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 354
 ttcggcacga gaacacagcg aggaacttgg aactgaggag ggcgagggtg aagagatgga 60
 cacttttagac cctcagacag gtctgtttta ccgatctgcc ctgactcagt cacagtcagc 120
 taaacagcag aaacttagcc agcccccgct ggaacagact cagctgcaag tgaactctct 180
 gcagtgtctc cagactaaac agaagcagac catccacctg caggcagacc agctccagca 240
 caaactcccg caaatgcccc agctttccat caggcatcaa aaactcacc cctctccagca 300
 agaacaagca cagcccaagc cagatgtaca gcacacacag catcccatgg tgcccaagac 360
 agcagcttct acctaatgca cagccccga aactgn 396

<210> 355
 <211> 397
 <212> DNA
 <213> Homo sapien

<400> 355
 ggcacgagct ctctctctct ctctctctct ctctctctct ctctctctct ctctctctct 60
 cggtatctct ctcggtgtgg agctcttctc caacatctgg ggagctggga ccaagactgc 120
 ccagatgtgg taccaacagg gcttccgaag tctggaagac atccgcagcc aggccttctc 180
 gacaacccag caggccatcg gcctgaagca ttacagagac ttcttggaa gtatgcccag 240
 ggaggaggct acagagattg agcagacagg ccagaaagca gcccagggtt ttaactgcgg 300
 gctgctgtgt gtggcatagt ggtcataccg acggggaaag gcgacctgcg gtgatgacga 360
 cgtgctcatc actcaccag atagatggtc ccaccgg 397

<210> 356
 <211> 394
 <212> DNA

<213> Homo sapien

<400> 356

ggcacgagcc	caggaggccc	ctgattccac	tgtgcagga	ggctcagcct	cgaagcggat	60
ggcgctggtg	ctggaacggg	tgtgcagcac	tctcctgggc	ctggaggaac	acctgaatgc	120
cctggaccgg	gctgctggtg	acggcgactg	tggcaccacc	cacagccgtg	cggccagagc	180
aatccaggag	tggctgaagg	agggccacc	ccctgccagc	cctgcccagc	tgctctccaa	240
gttgtctgtt	ctgtcctgg	agaagatggg	aggctcatct	ggggcgctct	atggcctgtt	300
cctgactgcg	gctgcacagc	ccctgaaggc	caagaccagc	ctcccagcct	ggtctgctgc	360
catggatgcc	ggcctggaag	ccatgcagaa	gtat			394

<210> 357

<211> 397

<212> DNA

<213> Homo sapien

<400> 357

ggcacgagcc	agcaccggac	cacctgctcc	aagaccagcc	tcttgggggg	accacgcacc	60
cggccttcac	tggcaccag	ggagccgtcc	tcagcagcgt	caacatgtca	aggcccagca	120
gcagagccat	ttacttgac	cgggaaggagt	actcccagaa	cctcacctca	gagcccaccc	180
tcttgcagca	caggggtggag	cacttgatga	catgcaagca	ggggagtcag	agagtccagg	240
ggcccagagga	tgccctgcag	aagctgttcg	agatggatgc	acagggccgg	gtgtggagcc	300
aagacttgat	cctgcaggtc	agggacggct	ggctgcagct	gctggacatt	gagaccaagg	360
aggagctgga	ctcttaccgc	ctagacagca	tccaggc			397

<210> 358

<211> 396

<212> DNA

<213> Homo sapien

<400> 358

attcgaattc	ggcacgaggg	acagtagaca	aaagagagag	agaccgaggg	agagatagag	60
aaaaaaaggc	ccagagagag	tcccctcagg	ccaactttgg	ttttcacttc	tcagttctga	120
gagccgagga	agcaggaagg	agctgtgaga	gactgagctc	taaccttggc	catcaaagac	180
aagctgtgca	gctctggttt	tttgagggca	ggacatggag	ggtcaggccc	agctggaggg	240
gcaccaaagc	ccagagaaaa	ttcagaacca	cgtgaacttg	ttggatttca	gccccctgaa	300
gcacatgttg	ctattgcagc	tgcccttgata	actgggggga	caggaggagc	acggctttcc	360
catcttgtag	ggagactcgc	caatccagtt	gccct			396

<210> 359

<211> 396

<212> DNA

<213> Homo sapien

<400> 359

ggcacgagat	gtcctcaacc	cagtctacgt	ggagaggatc	ctcctgctga	gacagggtea	60
catttgccgc	ctgcaggact	tgggtgtccc	agtatactct	tacctgtgga	ctgcacctgc	120
agtaggtcga	gcacagctgg	acgccatctc	ggagaagggtg	gatgtgattg	ccaagcgtgt	180
gctggggctt	ctagaaagat	ctggtatgag	cttaactcag	gatatgctga	atggagaact	240
gaagaagcta	tcagaaggct	tgggaaggcac	caagtacagt	aatgtgatga	aactccttcg	300
gatggccctc	agtggacagc	agcaaggacc	tcctgtagct	gagatgatgt	tggccttggg	360

accaaaggaa gtacgggaac ggatccagaa ggtgggt

396

<210> 360

<211> 396

<212> DNA

<213> Homo sapien

<400> 360

atcccatcga	ttcgcaggca	acaaaggatc	attggtttat	gcaggaatta	aatcaattgt	60
aaagtcacg	ttgggaatgg	tggaaagcag	cagacataat	tggagtgggt	tggataagca	120
aagtgatatt	caaaatttaa	atgaagagag	aatcttagct	ttacagcttt	gtgggtggat	180
aaagaaagga	acggatgtag	acgtggggcc	atttttgaac	tcccttgtag	aagaagggga	240
atgggaaaga	gctgctgctg	tggcattgtt	caacttggat	attcgccgag	caatccaaat	300
cctgaatgaa	ggggcatctt	ctgaaaaagg	agatctgaat	ctcaatgtgg	tagcaatggc	360
tttatcgggt	tatacggatg	agaagaactc	cctttg			396

<210> 361

<211> 386

<212> DNA

<213> Homo sapien

<400> 361

tcgaattcgg	cacgagggca	gataaaagggc	agagggagac	agttcccgag	ccccacaggc	60
tggcatgttg	cctgcaagcc	aggacacctg	aactgtccta	tgagaccgaa	gctctggctt	120
tcagtcactg	aaattcgggg	ggttatattgt	ccagcagtga	gaagtgccga	ttcagcagtt	180
acatctgctt	catggaatcc	ggcttgaagc	acaaagaagg	atgaaatgaa	caagtcccgt	240
ggagatctca	cacatttaga	tatgtgatgg	ggaaaatgca	ttttggatgg	tccatgactg	300
tccaggtttc	aaatattcta	gtctactgga	gtcctcacgt	tcactttttc	tttttttttt	360
ttttttataa	agggggagca	acctgc				386

<210> 362

<211> 388

<212> DNA

<213> Homo sapien

<400> 362

atcgattcga	attcggcacg	aggctgagta	aatcctatct	tactatttga	ctgattaaat	60
cacgaagata	cccaggaggc	aaaactgaaa	cagctcaggt	gtctagggga	agtccaaagt	120
agaggacact	gtgaaccagc	taccatgact	gacctcagtt	tgaaactact	ggggtagtct	180
gtattatggc	tgaaaaattc	attctttcta	ccaagatctt	ccattgaaaa	tttgcccttg	240
acttatttaa	cttctaatac	gctgaccttc	tacctttttt	gcatttgaag	tagatttctt	300
ttagtaggcc	agcgggtaaa	caaggagaaa	acacacaggg	caagtcagat	gcacattga	360
accgagtttc	tctctctaaa	cctgtaag				388

<210> 363

<211> 386

<212> DNA

<213> Homo sapien

<400> 363

ggcacgagag	ttagtccagt	gccctcattt	aagaggccaa	gatcctgatt	cagaggaggc	60
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```

atcctttgcc cagagctgct tagctaattc gaccaaattg tgggaaaaat gtctcaccta 120
accactatt cottaattat ggattttgtg aaaaacaata gaacatgtta atgagtaatt 180
tatattagtt cgatgtatta caatTTTTTA gctttaaatt acagttttct tataatgttg 240
aaatgtttta gaatcctttg aatctaagta tttgtttcct aaatgaaaca tttgtacaac 300
atttgatgtt tttacttatg aaatattctc ctcccccaag aaaatttaaa ctttttctct 360
ctatttaaaa gctaagaaat gtttta 386

```

```

<210> 364
<211> 386
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

```

```

<400> 364
ggcacgagag agagagagag aactagtctc gagagcagtt tttttttttt ttttttaagg 60
gttgataaag gcctctcccc cgcccagga aaaaaccct tggggaaggg ccaccggggg 120
gaccgccat ttttttgggt tccccaaaaa aggactttgg accccgtttt ttgaaacccc 180
ctttagtttc caaataattt tttaaatata aagagggggac ccattttcgg ttttagggta 240
aaaaaccccc tctatttata tattccagtt ttggaagggg ttttggaaca aaattaaata 300
ggcctaaacc aattttggga aaaaaccctt tttttttttt tttaaaaaaa accggggccc 360
cataaacttg gtttaagggt ctttan 386

```

```

<210> 365
<211> 386
<212> DNA
<213> Homo sapien

```

```

<400> 365
ggcacgaggg gggacgcgac aaagtcatgg accgcaaccc ctgcgcgcgc ccgcgcgggtc 60
gcgacaagga ggaggaggag gaggtggccg gtggagactg catagggagc acggtctaca 120
gcaaacactg gctcttcggc gtcctcagcg gactcatcca gattgttagc cctgaaaaca 180
ccaaatctag ctcatatgat gaggagcagc tgacggagct tgatgaagaa atggagaatg 240
aaatttgcag agtatgggat atgtcaatgg atgaggacgt ggctttatct ctccaagaat 300
ttaatgctcc tgatatattc atgggagtac tggccaagtc caagtgtcct cgattaagag 360
aaatctgtgt ggaattttta ggtaat 386

```

```

<210> 366
<211> 390
<212> DNA
<213> Homo sapien

```

```

<400> 366
tgcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gtgagagaga gcgtgagaga gagagagaga 120
gagagagaga gagagtgaga gagagagaga gagagagaga gagcgcgcgc gcgctctttc 180
tctctctctt ttttgtgtgc ccacttacc acatatatat atgcccgcc acacgggggtg 240
tgtgttcttg agagagatat ttttttctct ctacccctg gagagcgcgt gtttttcccc 300

```



```

ccccgggggtg gtgggtctctt ctctcttgag ggggctgtta tctaacctct cctctcccct 360
ttttttctctt tttctcccac acaccgtggt 390

```

```

<210> 367
<211> 389
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

```

```

<400> 367
ggcacgagat cacggggcct gaggttttac tccagaaaag cagaggagt gcaaccttgg 60
cttgggggttt ggcagcccag gaaaggcagg gaggagagct caaagccggg ttcattgtttc 120
acccaaggctc taattgtggg agaggacaaa tccagatccc ctgtttgaca gaattagttc 180
acaaatgtct cttggcaaaa acatgtgaca cctaaccatg ataattgact taatccaaga 240
aagagctctg tagggcagag caataggaaa tctctctttc gttatggaaa aaaaataatc 300
cctctacata gaaactgagt gacatgtaaa aatgtgtagc taagtcaggg agttacttcc 360
taagagcctg acgctctgct tttcatcan 389

```

```

<210> 368
<211> 389
<212> DNA
<213> Homo sapien

```

```

<400> 368
ggcacgagct tattccctag gtccttttat gtttttgacc aagctggggt cccccagctg 60
gtattatgga cttacacagt tctgatgtta gatgttaaag agttgccact cattgttttc 120
gttggttttca acaaaatccc tggggatagg gcttttccca ctgagctagc cagagtccag 180
tcaaataaca ggactttcaa atggagcttt tctaggaagc tgccagacaa gacagtactt 240
tgggtcaaaa ctttttgagg aggtccaaac ctgagctgtc cccccacctg ccagtggctg 300
cacagctcta ggttttcata gttgccatgg ttacaagact tcagggtttt aaggctactg 360
tggagctgga agaaaagggg agcaaggca 389

```

```

<210> 369
<211> 387
<212> DNA
<213> Homo sapien

```

```

<400> 369
ggcacgagaa tacctctact ttttgccctat tatgccagaa atactataaa tctaaacaga 60
taaagtgtgt gagacttttt ctcataacta ttcattgacat ttaaaatccc tatgggctgg 120
caagagagtt ctctattatc tgaaatggct ctgacaagct gcatgaatag caattttttt 180
ttgagacaga gtcttgctct gtcacccagg ctggactgga gtagtgcaat ctgagttcac 240
tgcaacctcc gctcccagg ttcaagcgat actcccacct cagcctcctg agtagctggg 300
actacaggca tgcagcacca tgtctggcta atttttgtat ttttaggaga ggccgggggt 360
caccatattc gccaggctgg tcttgag 387

```

```

<210> 370

```

<211> 389
 <212> DNA
 <213> Homo sapien

<400> 370
 ggcacgagat taagtgttgg ttcatagaga ttgccataaa tcagaaagaa ccttaaagtgt 60
 gcatttaaga cagtgtccct tcccttcttt tcaatgaagg tccctgccta tataaatcat 120
 ctggcacgct ggtgggaaat cctttgctct tccaacgtgt tattagtgtt gggcagagat 180
 ggggcacact caggggcca aaggacaaa aagtccatgc aaaacttgag tcttttaagt 240
 gcttaagata atcaggagtc agttctgaat cttacaaagt gctctgctta ataagtacct 300
 tacttagcag agcactttgc aaacatatta cttattagca gagctctttg tagaccttcc 360
 acatctggct gtcagatctt aaggttgtg 389

<210> 371
 <211> 390
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 371
 ggcacgagga gaaacgcccc caggtgtgga ggggcaaccc atcccttcac tgaaccattt 60
 ttattctttc agaaatgtga ttgataacag taaagccaca ctactcaagt gcctgaaata 120
 cccctcattg tcttcttcag gtggcaaggg ctctggaaca gccacataaa ggtgagggca 180
 atatttttac tgtagtctct tcattgattg gttgattgat ttttttctct tagaggggta 240
 gcatacattt atctgaaatt gaaattcaag aggagagaca ggcacctgta ctagtcttct 300
 cttgctgcct attatcacat taccacaaac cagtggtttg aaaccacaaa agtctggaat 360
 gaagtggccg ggttctctga tcagagtatn 390

<210> 372
 <211> 389
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(389)
 <223> n = A,T,C or G

<400> 372
 ggcacgagct caactccacc ttttgtactg gtactcaaga ttcaatgagt gatgccactt 60
 gtgaagagtc ttcagagcac tttccacatt ttagtgaacc aggtgatgac tttggagaat 120
 ttggggatat aaatgctgtt tcttgccaag aggagacaat attaacaaaag tcagacctaa 180
 aacagacttc tgataattta tcagaagaat gtcaattggc aagaaaatct agtggaacag 240
 gcactgaacc tgttgcaaaa cttaaaaatg ggcaagaagg tgagattgga cattttgatt 300
 ctgtgcaaaa tattcaggat gactgcaatg gttttcaaga ctctgatgat tntgcagact 360
 tcagttcagc tggtcctagc caagttgta 389

<210> 373
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 373
 cgaattcggc acgaggggag gagggagcag gctcaggcac cgagactgct gagccactgg 60
 ccacccggga agcagggctgc gttctgagtc ggtcaccgaa tatgtccccc cttggacggg 120
 agtagcgcaa cgatgtgcag gccagctcag gaagtaacgc tgggagcttc tagaagggtg 180
 agcgggatcc aggaccgtgg gagcttttcc ggagaagcct acctctcctg tgttgagct 240
 gatgggagca gcagggcctg gagaagaact gtccccaggc tgactccctt cttggagtga 300
 ggaggcctcc cgtgtttgcc tgccagcctc catctgtcat cttggttcca gccattcaac 360
 tttcctccag gagagcagag ctgctct 387

<210> 374
 <211> 390
 <212> DNA
 <213> Homo sapien

<400> 374
 ggcacgaggt ctgggctaatt tagtccattt gggcttagga aaacagtggc acctatttct 60
 gagatggctt tttactaaca ctgtgcattg cctgcattct cctgtgcatg gctttgtttg 120
 ctcctatctg caggttgggtg agccccacag ggcaggctgt actatgact gtcataagccc 180
 aggaaagcca ctttcagacc aggtggcttg ctccagaacc caaggctagt aaggggcaaa 240
 gctgggtcta gaacttcaac tttctctttt tctactccac gatatgactg acatttaggt 300
 ttgcacacag cagcgttaca tctatgggtt ctaatttaat aatgataaat aatttttttt 360
 tctttttttt tgagatggag tctcgtctctg 390

<210> 375
 <211> 386
 <212> DNA
 <213> Homo sapien

<400> 375
 ggcacgagaa ctccctctcc agctcttctg aatcttggga cacagcctaa aaaggacaaa 60
 aagttagaag acagcatagc aactcagctc agggagctac cagagaaaaa tagcaactga 120
 tgtgggtgct tttttttttt tttatttggg aaaaaaaaaa ttaaaaggga ggccttttaa 180
 taaaaggctt tttccctttt cccgcctaca gttttttctt ttcccttaaa aggggggaag 240
 ggggtataaac ctacgggggtg gggagtttaa aaaaagaatc cccttcaccc ccaccttggc 300
 caaacaaggg ggggttggcg gttggaaaag gggaacacaa atcctggcac actggggata 360
 ttttttgcaa atggcagcct ttgggg 386

<210> 376
 <211> 388
 <212> DNA
 <213> Homo sapien

<400> 376
 atcgattcga attcggcacg agggcatcca aagccacata tctgtaggtg tattctgtgc 60
 tttgggagct ctgggggtgag tctaactca aaccctatac ctttgttttt ctacactta 120
 gattatacct ctaagaccat tagctcatct tgcattgttt gagggattca gtgtaagccc 180


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ttgcccattt ttatatggca gtgggtaggc agaaagcatt ctgcttacag ctacagtcac 180
atccagcctg ggcttggtgt ggacaggatc cattgcagaa atagcctgtt gcatccttagc 240
cactggacag gaatcagtta caagtttcca aatgctttct gccataacca ctgttttcag 300
agctgtatgt acaatgccta gggaacacac agctcaaggt caggggaagaa agagcacgag 360
caacgttgac ctgtctgcag catcatggt 389

```

```

<210> 380
<211> 387
<212> DNA
<213> Homo sapien

```

```

<400> 380
cgttgctgtc ggccaagcca tttgggttca ttttaagcaa gggccccag gagcggccttg 60
ccccataaaa ctccgaaggt attatttcat tatcaggggtg ccagggtggtt ttggccaggg 120
cctctgcaac tcttttctct gtgaccattt tccatttcgg ctcatatgaa ccagccttta 180
ctacagagct ataaagtaaa ataatgtaat tagtgcagcc aactgcagct gttctcaaac 240
tcaatgtcac agccattaca catgtgaaat atttacaggg gttttaatca attttctttc 300
ctgacacccg tttttcatta aaaatgacaa aaataataaa tgcacatggc agtagataca 360
gaagaacacc aggaatgaat tattatt 387

```

```

<210> 381
<211> 389
<212> DNA
<213> Homo sapien

```

```

<400> 381
cgattcgaat tcggcacgag gcctcacctc cctgcagagg tccggccagg tctccttgtc 60
cctggacaat ctctgagcc tctctgcttg ggggagcagg cacctgtgtg cagaattccc 120
actgtggcca gcacgaggaa gtcttttcta gtgaaaatgt gtcttgtggt caggaataat 180
tatcctttcc cctgtagcca ccaaggaggg caaatagaga aaggtaacct aattgaagga 240
ttggtcatgt gaaaagggtc acatttggga agctgggaaa ggccctccagg cttctagagc 300
agctagcttg ggctggattc tcacaccag gctgcccctt ggaattgtct acccaagctt 360
ttcccttggg gctgggtcct ctccataag 389

```

```

<210> 382
<211> 390
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

```

```

<400> 382
gaattcggca cgagggcatc caaagccaca tatctgtagg tgtattctgt gctttgggag 60
ctctgggggtg agtctaacat caaacctat acctttgttt ttctcacact tagattatac 120
ctctaagacc attagctcat cttgcattgt ttgagggtt cagtgtgagc ccctggacca 180
aaaaggcttt ttctctctct cttctctgtg ctgctacagg cacaactcta aagtgaacag 240
gagagagaca ggccaaacta ggagcccatc acctaaaaaa agaggtctac caaaggcgac 300
atgctccccg atacaccaga aaactctctg cagaggaatt agagcggaaa cggcangaga 360

```

ttgatggaaa acgccaatgg gaggaggagg

390

<210> 383
 <211> 387
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(387)
 <223> n = A,T,C or G

<400> 383
 ggcacgagcc acggtgagca ggctagaaac tcacgacacc aggtagctct gcaggtgctg 60
 ggagggcaac tcagcccaga ggaagagcag gctggggagc cctcaccgcc caatggggac 120
 tgacccttgg cccctgcccc tctccacccc actgccctga agccagattt cctgctcagc 180
 atggacagga cagcaagagg ctaaccctct gccaggttg aagctgaccc caagccaccc 240
 ttacactgga caggatgaga gtgtcaggtg tgcttcgcct cctggccctc atctttgcca 300
 tagtcacgac atggatgttt attcgaagct acatgagctt cagcatgaaa accatccgtc 360
 tgccacgctg gctggcagcc tcgcccn 387

<210> 384
 <211> 386
 <212> DNA
 <213> Homo sapien

<400> 384
 ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagcagga gagagagaga gagagagaga gagagagaga gagagagaga 120
 gagagagaga gcgccgcgcg cagagagaga cccccctct cccctctctc tctctctctt 180
 ttctctctct acacacacac actttttttt tttttgtgtg atgccccata gagacccccc 240
 tccgcgcgcg cgcgagagag aggggtctct ttttctctct gtacgctcgg tatgtgtgtt 300
 ctctatatat agtgtgcgtc tcccccccca cccacactta tatatgtgtg ttgtatatgg 360
 gccgcactcc tctgtctctc ttatct 386

<210> 385
 <211> 390
 <212> DNA
 <213> Homo sapien

<400> 385
 ggcacgaggg agaaggagct ttcaaggagt catgggtgcc cctgggaaat tccccactcc 60
 ttagaagtgg ggcacagcag ggggtgagaat agagtcagga gccctcgagg ccaaggcctg 120
 ggctgccggt cagtcagtga aggtcaggcc agggctctcag cctcccctag agcctatattt 180
 gcttgctcac ctggccactg ctgccttctc cattcagcag acaccgaggc ctgctgcacc 240
 cttgggtcgg atgctgggcc ccagatccct ggtgacacct tcctggagaa gactctcaaa 300
 agtgactgta tatttgagtt caccagcaat aactccccac actcgaagca ggtccaaacc 360
 caggatctca gggtccttgg gctctgtggg 390

<210> 386
 <211> 387

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 386
ggcacgagaa ggatctgtct gtgtgtcatg gagcacctgg agtgttctgt ctggaatgct 60
ggctgggagc cttctcctgg catttgaacg aggggcagct gtgtcctctg tttgccgtgt 120
aaagaaaaga ggacagagct cagaggagat gaaccccagc agaaaggggt gcttgaccag 180
caggagagaa gataaccaag aggggtctgtg ggtgtctctt ctgagctaca ccagtttcca 240
ggttacctgg gaccatggat aactctcaga tcagcaactt gtcagttgat ttccaagctg 300
ctgttggtg gactcagact cagcagggag cacctgggag agccctgtgc tgcgggctgg 360
actccggccc atctcgtctga ttactcn 387

<210> 387
<211> 386
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 387
attcgaattc ggcacgagac accctgttgg ccattgactca acaaaccagt gttgggagcc 60
gtctgcctcc ccagctcagt gcctttctgc accccttctc tcttggggag ctgtctgcat 120
ccgccacccc ctccaaccac tgccctcagc ccccgacott atttattacc ctccccctccc 180
acacccccaa tctacctggt gatgatatta agtttgccgc tgtcttgngt tgggctgggg 240
ggtttccac atgcagtgtc agagggggccg cccgggtgggg ctatctcccg tgctatatta 300
atggcangac taaatgaaac ctaaggcacg gccctccgag ctgcgtgtgc cccttagagg 360
tgacatcaga gcagagcagt gagggg 386

<210> 388
<211> 389
<212> DNA
<213> Homo sapien

<400> 388
cgagggtcat cctgcatcgc tcggtgtctg ggctgaagca gacactgctg gcggagtccg 60
aggctctgac cagctacagc caccgggtgt tctcggcctg ggacttcggt ctctgcggga 120
cgtccacgtg cggctgcgcc agcgcattcat cttgtacgaa ttaaagggtg agctggagga 180
gacagtgggt cggcgccagg ctgcggtgcg gacgctgtgc cagcaagcca gggtttggtt 240
ggtgcgggtg ctgctcaacc ctgtgggtgt ccgcgctcct gggggcaggc ttctattgag 300
gctactgggc tacgggggtg accgggggag ctgaaggaga gccccttggt ccaggagtgg 360
caatggtgaa cctgggggga attaccttc 389

<210> 389

<211> 390
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 389
 ggcacgaggg tttaatgagc cctgtccagg gcccttcagt ggggagcctc cttcttcttg 60
 cccttctcct tcttgccctt ctccttcttc ttcacttttg gcttcttggc cttgcccggg 120
 atgtctctgt gctgcttgga gccagcagcg tgggactgtg gggccgaggg cagggatggg 180
 agagaagaga tggttctggg ctggaagcga gacaggggga ccactccccg caccctcccc 240
 gccagcccca gtgcggggac gcctctcttg ggtgcagggc acgtgcttgg ggacgctggc 300
 gagagccctt taccttcaca tccgtgtccg aatcgctgga gctgctgctg gagtgcgaag 360
 agctgtgggtg tccttgctgg atggaggtgn 390

<210> 390
 <211> 389
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(389)
 <223> n = A,T,C or G

<400> 390
 ggcacgagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttttt 60
 tttttttttt tccccccccc aaactttttt ttggggccta aaaagggggc cccggggaaa 120
 attttttttt ccccgaattt tgggcccccc gaaaaaaaaa aaattttgaa aatgaacagg 180
 gggaaccccc cgggtttttc aaggggtccc cccctttcaa agggcccgcg ggggtgggcct 240
 aataaaaaaa gggcgggccc ttctggtgaa cttttcaagc ccttcccccc ccccgggggg 300
 gcaataaaaa aaaacctctc ccaccccaag gggggggggg ggattttttt tttttgggtt 360
 ccccaagagc ctttgaagag gggctgccc 389

<210> 391
 <211> 389
 <212> DNA
 <213> Homo sapien

<400> 391
 cggcagcagc gggaggttaag gcatggccag gccggctggg ctgcagagcg ccggcacggg 60
 tccacgcctc ggggtgacggg cttccaggat gttcgggcgc ggggcggccc atccgcaccc 120
 cccaacaccc ccacctccgg cctgagcctc ccagcgccgt gggaaccacc tctgtccgc 180
 tgttgctggc ccgcataccta gcagcggcct gacgccctcc ccaccctggc atgccccctt 240
 gacctgggac gatgagcata cgactgggga gccagtgga ggcgcctcc cgaagcgcca 300
 ctggccatgc tgaccaccca gccctccggc tgctgatgtc atgagaacac cactgtgccc 360
 atgccccag gccacagcga ctcagtgtg 389

<210> 392
 <211> 385
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 392
 ggcacgaggt gacaagggat gaaaccaggg gttgggcagg gcaagactct gataccctct 60
 ctgacctcgg tcctcttaag gctgttgccc ctgtgcccag gaaaggaata actagaagtg 120
 ctggtggaag aagggggact ttccaaagca taagctaact tttgttccca aaccttcccc 180
 ctgctgcttg aggcagagga aatgtgcaaa ggggcccggg aaagaggccc gaccggatgg 240
 ggcttcggcg ccaggctgac ttggagggcc aggggggtctc tgaacaaggg gcttctgcta 300
 gagcagaggg gcattagggg gacccacccc tagcctaggg gaaatggagc cttcaaccca 360
 ctgtcctgat aagcaaaggc taacn 385

<210> 393
 <211> 385
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 393
 ggcacgagta atgacccaat tacaagttct aaatgcctgt aagattggag gttattggag 60
 gattcttgaa ttgtattatg agatgaaact tctgaatcat gtaactcagc ttgtggattc 120
 tgaatcatgg tcttttggtg aagttccttt gaacacatgc cttcaggaac tcggaccatt 180
 ggagccagag gaaatgatag aacactgtct taaatgttat gggaagaaat atgtagatga 240
 aggcgaagtt tattttgagt tggatgctga taaaatatgt agagcagcag cacgaatgct 300
 acttcagaat gcggtgaaat tcaatctcgc tgagtttcaa gaagtgtggc agcagagtgt 360
 tcctgaagga atggtaacta gtctn 385

<210> 394
 <211> 389
 <212> DNA
 <213> Homo sapien

<400> 394
 ggcacgagca gctctggaca gaggttactc tctggctcac tggataggaa ggtgaaagta 60
 tacagcacia cttcctacaa agtagtcac agttttgatt atgcagcttc aattttgagt 120
 cttgcccttg cacatgaaga tgagacaata gttgtaggaa tgaccaatgg aatactgagt 180
 gttaaaccatc ggaaatctga agcaaagaag gaatcacttc ccagaagaag aaggcctgca 240
 tatcgaacct ttattaaagg aaaaaattac atgaagcaac gggatgacat tttgattaac 300
 aggccagcaa agaagcacct agaattgtat gacagggatc tgaaacattt tcggatctct 360
 aaggcactcg atagagttct tgatccac 389

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<210> 396
<211> 385
<212> DNA
<213> Homo sapien
```

<400>	396							
ctaattcggc	acgagatcca	agccatctgc	atcgcagcct	tttaccggaa	ggagtggccg			60
ctcctgggtg	tggtgccatc	ctccgtgcgc	ttcacctggg	agcaggcctt	ccttcgggtg			120
ctgccatctc	tgagcccaga	ttgcatcaac	gtcgtggtga	ctgggaagga	ccgcctgaca			180
gctggcctga	tcaacattgt	cagctttgac	cttcttagca	agttggaaaa	acagctaaaa			240
acccctttta	aagttgtcat	cattgttgcc	aagagggtga	tctgttgtc	gggcacacca			300
gccatgtccc	ggcccgcaga	gctctacacg	cagatcatcg	cagtcaagcc	aactttcttc			360
cccagtttc	atgcctttgg	acttc						385

```
<210> 398
<211> 380
<212> DNA
<213> Homo sapien
```

```

      <400> 398
tacggctgcg agaagacgac agaagggcat caaggttcat ccatgttttt gcatatggca      60
aggttttcctt tttaagtctg aataatatcc cattttctac atataccaca ttactttat      120

```

```

ccctttttct gttagtggac atttaacttg ttctcacagc ttggctattg caaataatgc 180
tgcaatgaat atctcataag tctcatatat gtccatacaa gatcatgaaa atggacatgt 240
ctctgggtat tttgaattgg tgggacaatt ttgcttaagg gtaggcatag tgggtggctc 300
tacatttgag aggtctaatt cccaatccca tatataattc ctttcttttt atttaatttt 360
ttgagatggg gttctctgtc 380

```

```

<210> 399
<211> 384
<212> DNA
<213> Homo sapien

```

```

<400> 399
gaattcggca cgaggtggcg cgtgcctgta gtctcagcct cccaaagtgc tgctgggatt 60
acaggcgtga gccaccactc ccggctaagt tagtatttct ttaatcttaa tgctttaaac 120
taagccactt ggatcctgaa taattttaat cttgagctac attggttaagt aataaattat 180
ttaaggccag gaattcctgt agttttcatg gagtctgtag ctttattaaa aaataaatca 240
ctgccaggct tcattcttcc atatgatcct ctaaaaatgg acacttcctc tgaatgcctg 300
atctcatggc acctgggtcca ctagaaatgg tcagggatcc atttgggctc tttgatacat 360
cagccctcat attactttct tagg 384

```

```

<210> 400
<211> 382
<212> DNA
<213> Homo sapien

```

```

<400> 400
cgcccatgta ggggtttccct ttcttgattt gtgaaataag actgtcccag taggcaccca 60
ctgatgcctc ctcttctctc tctaaatctc aggggttcgtc attgtgccaa tgcccgatgt 120
tttcacccct ccgtcttaaa gcattgttgc aatttcacac cctagatgac ataacagcct 180
tacaaaagga cagggaggag tgtctgttcc tactctcaca tagcggagga aagttagagc 240
ctctcagtct ctgtttatga ggactcatta atctcaaata attgatgcat ttttcataca 300
ttaggggtctc tgtccatgtg tcttctctgat attgttatag aaatggcttc aggctgctgg 360
taacagatgc tgcggaaaaa ga 382

```

```

<210> 401
<211> 384
<212> DNA
<213> Homo sapien

```

```

<400> 401
cggcacgagg agcccttgag cgttgggaga tgggggtggga aggaggtgag cccctgcaga 60
gagttgggta gtgtccttca ggaatgaaag gaggggcaaa ggagtcacca gaggtcctgc 120
atttccatca ggggtttccac agtcatcagg gcttctctct tgagttgctg ataggagatg 180
tgagttatgc ccagagatgt cttatcgtga ggaaaaagaa acttcctttt gttcacattc 240
aggactctca gtgccatatg aaagaacaaa aggcagtatc ggcccgaaca ggggtacattg 300
attctaaaaa tacagggccc cattaaacac tatcttagtg tgaggatgtt tgagagggtgc 360
tgcgacaaaag aagcattctt catg 384

```

```

<210> 402
<211> 382
<212> DNA

```

<213> Homo sapien

<400> 402

ggcacgagag tagagacggg gtttcgcagt gttagccagg aaggtctcaa tctcctgacc	60
tctgatccg ccgcctcgg cctcccaaag tgctgggatt acaggcgtga gccaccgcgc	120
ccagttgtgc atttctggtt tctaagaatc aaaccacttg gctgttttta ggagttactt	180
cccatgttat aaagctgagg aagctttttt tttttttttt tgaaaaaaag tttttgcccc	240
ccgggggggg gggcgggggg gcattttaac ctccggggtt aaagcatttt tccggcctaa	300
ccctttggag aaccaaaaat aacggggggg cccaacccg ggggggtttt tttttggttt	360
tttaagaaaa aaggggggtt cc	382

<210> 403

<211> 383

<212> DNA

<213> Homo sapien

<400> 403

cggttgctgtc ggtagtttct tctcgagcca atgcatgtat tatagcagca ggtgtctttg	60
tgctttctca tcatagtaac gtactacttg taaatacatt tttctatttt ctattttttt	120
gtattttttt gacattttgt ttcattgggtg tgctgtatat tttccatgcc ctcaactcct	180
taagaaaaaa aaaaaggaaa aaagcaccac aatcctgtcc ttgctgttgg gattatagcc	240
ttggtttacc tgcgggggaca accgggtgtt ggggacacat gtcaaagcc cctctgagat	300
gggcctaaa ttccagtaac tggggaaaga accaactgct gtgtcctgag agcctggccc	360
tgtgctgtga tctctgctgc aaa	383

<210> 404

<211> 384

<212> DNA

<213> Homo sapien

<400> 404

gaaattttgc ctttcttga ggtttttgtt ctgatgtaat ggtgaaagg t aattctatca	60
tctctgcatg acacagctat ttttggtgct tcagcaagat ttatcaaagc aagtgggttt	120
tgaccattct ttgtctccaa gggagagaca attgtggcag catcccatcc tctgagctgg	180
tttttgtttt tgttttttgg agaataagtg gttttgatta cagggtgtgaa cttgtggtat	240
tcacagatgt tgggtggcctg tcaggactat tttaggagac ctcatattatc ctttgaccaa	300
gaaatatcct gactggggcc tgacttgaat atatagctcc ctgtgggggt gatgccaaagg	360
ctcccttcca gtaataactg ctca	384

<210> 405

<211> 381

<212> DNA

<213> Homo sapien

<400> 405

cggttgctgtc gatttttaaat aaatttcttt attgaaagta tgtctcttga ttggaaagtt	60
ttctgaaaca aagagactta ctaatttttt ttgtgttct atttgattct tgcattctttg	120
tcccacattt tctctctttg tttctctctg cggctgtttt atttttactt tgatatgctt	180
ttacttcttt cttatgttgg tttctgtatc tatacaggca tattctttgt ggtacgtggg	240
ggattacata aaacctttta gagatacaat gtatttcagt ctagttaaaa atgaactttt	300
ggtgcatgca aaaatttttt ctcattacat atgttctcag atttggttctt gatgttgcta	360

attatatttt tatatgtata t

381

<210> 406
<211> 381
<212> DNA
<213> Homo sapien

<400> 406
cgttgctgtc ggccctgaag ccatagagca accaagtggc cagctgaggg tgccagccca 60
gccctcccgc caggccctcg ccggctcacc acgctgcgct gtgctgcttc gtgagagtga 120
gcgcattctgt gattgctgag gcctggcgct catgggggtg caccagctt ctgagttcag 180
gtagttagac gatttccagc gtcctttcag aggggctctc agaactgctt ttgtttgtag 240
aattgatttt ggaaaagtct taaaatattc atgaagtttt tttttaaaaa agctggtatt 300
aaaccttgaa aaagttaact gaaatttgga aggggtgattt ctgaattagc tagggaggaa 360
taatgaaaaa atattataaa c 381

<210> 407
<211> 382
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

<400> 407
ggcacgaggt ggggggtgtg ctgggtggctg cettactggc cttcactgtg gccttgctgg 60
ttcggggccg gggggccgga aatggccgcc tccccctcaa gtcagccac gtccagtccc 120
agaccaatgg agggcccagc cccacaccca agggccaccc gccgaggagc ccccgcccc 180
ggccgcagcg cagctgctct ctggacctgg gagatgccgg gtgctacggt tatgccaggc 240
gcctgggagg agcttgggcc cgacggagcc actctgtgca tggggggctg ctcgngcag 300
ggtgccgggg ggtaggaggc agcgccgagc ggctggaaga gagtgtggtg tgatggacgg 360
gcagcttcct gtgtgctcca ag 382

<210> 408
<211> 382
<212> DNA
<213> Homo sapien

<400> 408
aaaaacaatt agctaactgg tgattgtgtg aaggatgaac tggattaggc caaggtgatc 60
aagaagaaga ttggtagatt aacgtggtca ggaggtcatg agaacttcaa atgaggcagt 120
gaccatcagg aaaaaatttg taagaagaat ggtcaggacc aaatgagttt ggtttggtcc 180
tgctgagttt gaggcatatg gtggaaactg ccagctccc tccttcagaa atgagacact
240ctttccctag ctggcctggt ataggctggt aatggccacc agctgtgttc ctttatgggg 300
ctcgcccttg gctgaaagga gctacaagga gttcatgggt gactttggcc agaggagttg 360
atgaggagag gaaggtctgg gg 382

<210> 409
<211> 383

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 409
cgaattcggc acgaggagag ggggacatgt gagccccctct tcatgttgat gttccattgg 60
ggaactgccc ctccccatt ctgggtccag tgtcccatcc attgcagagg ggcctgaagg 120
tgctgaagga gctcagagcc agagcaaaaa ggggggacct ggcctcacag agaggaagga 180
caccttttgg ttttctgact gtctggcgaa ggagatcaag atgattgcac atgcaaacaa 240
gttcgtcagt gccacaatt gcaactgagt attgggtgct caagtggaca ggggacttga 300
ngaagtgggg aagccgttg gaagtgcttg tgatgcaaaa ccgaaggggg ccaacccgac 360
cgagagctgg gttctcaacc ttt 383

<210> 410
<211> 379
<212> DNA
<213> Homo sapien

<400> 410
tcgattcgaa ttcggcacga gagagagaga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagagt gtatagagcg acagagcgcc ctcccttctcg gggagagaga aaaaaaacc 180
ccccactctc tctgtgtgtg tgcacacacc cgtgggagcc cccccccag agatgtgtgc 240
acatagacag cgcgagctct ctctctctct cgggggggag agaaaaaac ctctctatat 300
tcccgcggga gtgggtgagt tagagagata tttttttctt agagagccgc gcggtgttca 360
cgcgcggtct ctttttagg 379

<210> 411
<211> 381
<212> DNA
<213> Homo sapien

<400> 411
ggcacgaggg ggagaagggt gagactgggg gggcacgtga acccaaagga gagaaaggcc 60
agccccagga gctgggcccgc aggttcgccc tgacagcaaa catctttaag aagttcttgc 120
gtagtgtgcg gcctgaccgt gaccggctgc tgaaggagaa gccaggettg gtgacacca 180
tggtccctga gtcccgaacc ggccgctcac agaaggtaa gaagcggagc ctttccaagg 240
gctctggaca tttccccttc ccaggcaccg gggagcacag gcgaggggag aatcccccca 300
caagctgccc caaggccctg gagcactcac cctcaggatt tgatattaac acagctgttt 360
gggtctgaat cctagagaca g 381

<210> 412
<211> 379
<212> DNA
<213> Homo sapien

<220>

<400> 415

ggcacgagga	tggctggtga	ggagcttaac	agaggaaacct	caagaagatt	ctgaaaatcc	60
tacccccacc	ccccaccagc	cgcacagatt	gtactaccgc	gagaggcatc	cctggcgctg	120
tctccctactg	gacagaggag	gctggccatg	gggccaggg	gtcaggccca	gcttttgagc	180
agaatacaac	gcattgggct	ttagctggtt	ttctcatttg	ttggnnggtg	gggggggggc	240
aggggtaagg	cgggagagcg	atgttggaat	tttggtttcc	aataagaaac	cacaagggtg	300
tccaaaattc	atttcattgg	ggctanaaga	gacaattgga	gattttccgat	ccttttcccc	360
ggccccgatta	aaaagcccct	cctt				384

<210> 416

<211> 383

<212> DNA

<213> Homo sapien

<400> 416

ggcacgagag	cggggaggcg	aacttgggac	ccgctggcct	cgctcggcgc	gcgcctccct	60
ccccgcatgc	agccccgcga	gcgctcgcgg	gtccccagga	tcgacccgta	eggattcgag	120
cggctcgagg	actttgacga	cgcgcgctac	gagaagttct	tcttcagcta	cctgggtcacg	180
ctcaccgcgt	gggcgatcaa	atggccccgg	ctgctgcacg	gcgggggctg	ccccacgagc	240
cggacagaca	atatccacca	ggagccctta	ggaagacagc	ttcctctttc	tccttggaac	300
gactatattc	aacacactta	gtgctgttgg	attcctattt	cattctccat	ctcgagaata	360
gacgtctgca	tggaagcatc	ttt				383

<210> 417

<211> 383

<212> DNA

<213> Homo sapien

<400> 417

ggcacgagga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagataaa	120
aacacagcgc	cccgtctctc	ctcttttttt	tttctctcca	cacacgtgag	gggggggtgag	180
acacaccccc	acaaaagata	tctctctgtg	tctctctcta	tactctctct	ctctctctca	240
cagagagctc	tctctgtggt	gtgtcaaaaa	cacacacggg	tgtctctctt	tttgcgcccc	300
agagagacac	acattctctc	acacgcgcgc	gctctgtgtg	tatatatgtc	cccccccgcg	360
cgcccccaga	gagtagatct	ctg				383

<210> 418

<211> 383

<212> DNA

<213> Homo sapien

<400> 418

ggcacgagag	aagctgctcc	tcgagacaaa	ctgagcaacc	cactggatat	atgctatgac	60
gtgctctgtg	aaaatgccta	ctttcagaaa	tttcagctag	aaaggggtta	tctgcaggaa	120
gtgaaacggg	caacttatga	tcatacaagg	aaatgtacag	accagctact	gctcttgggt	180
caaacagaca	gagctgtgca	gttgctgttg	gaaacaagtg	cagataacca	gcattattac	240
tgtgattcac	tgaaagcctg	tttagtcact	actgtcacct	cgtcaggccc	ctctcagagc	300
accattaagt	tgggtggcaac	gaatatgatt	gccaatggca	aattggcaga	gggcggttcag	360
ttgctctgcc	tgatagataa	ggc				383

<210> 419
 <211> 383
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 419
 ggcaccagag actttacaga gatagtgggg tgttttaagg cagggggagg aactgcacag 60
 cccagacctg ggagggaggg atccaggga ggagagatcc tgggaattgc aatagcagca 120
 ggcagaggct gttggttctt attgtttctt ggctgctatg aatgacttgg ctttaatgac 180
 tccaaggtt ctggatctct ccagttcaaa ttcaaatta ttgacaaaac aatctgattg 240
 gccagcttag tcttagatat gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn gnnnnnnnnn ncnnnnnnnc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nntnnnnncnn nnnnnncnnnn ntg 383

<210> 420
 <211> 379
 <212> DNA
 <213> Homo sapien

<400> 420
 ggcacgagag gagctgggag aactggagaa aactgctcta atctcacttg actccagcta 60
 ggagctgatg ctgcatcgta ataacatttg cagagcgctt tcacaggcgc tggagtgact 120
 tgtctgagat tctccagaa ctgagccctt tgttggaacc ataccccagc ccatggtccc 180
 atgactaggt ggatagtact ccttgtacct cctgcaaccc agaacccttg ctgaccactt 240
 tgaaggagga tgctccagca ggtcaatggc cacaatccgg ggtctgatgg ccaagccagg 300
 gagtacctca gagaagacct gcaggagttc ctgggtgggg aggtcctgct gtacaaactg 360
 gatgacctca ccagggtga 379

<210> 421
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 421
 ggcacgagga ggcttgaatc tccaggaaat agagtctgtg ggcagccatt gactccgagt 60
 caatgagaac aaggtgtgct gtttcctctg tgctgtttct tccctgccc actccccgcc 120
 cctttgtcct atggtgcccc ggctgcctgc actgccaga taccacaggc cttgccaggg 180
 acctcctgag aggtttctga ggcttcagc cagtggctcc gttagtctgc acgtctccga 240
 gttgccctcc cagaggagaa agcatatgct gctgggaccg actgcagctc ctcattggatg 300
 cacctgccac cagaaaattg ttgttcagtc tgggattgct ttctcttccc aaagcacaat 360
 ctcacatgca gtcattgagcc cagt 384

<210> 422
 <211> 381
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(381)
 <223> n = A,T,C or G

<400> 422
 ggcacgaggt aggaccaggt gtgcaaactt cacaggggtc tctgtcccca accaccccaa 60
 gtgctagaaa aaagagttca ataattggga tggctcccat gtagcagctg gtcctgaatg 120
 ggtggctcaa tacatctgcc ctctgccctg atcctggatc ctcaagggtc caatcctttg 180
 agaaaaggaa ccaggagagc gatgggtctg aagcgctggg gttgtagaaa tcctcatcac 240
 aaagaggtga ctgcgttcca gttgctgccg ggcctggcca tattcccaca aagtgcccat 300
 gtctacagga tgctcagccc ttgccttctt ctgtcccgcc accacccttc tcagctagaa 360
 nggtgctgct atatttgaag t 381

<210> 423
 <211> 381
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(381)
 <223> n = A,T,C or G

<400> 423
 ggcacgagcg gtgacacccc acaaggacac ggcctcagcg gttccatttt ccccgaaca 60
 ttcagccact tccctggagc aatttttctt gccccgctgg ggaccagcga gtggcctagt 120
 tgcggtcttg gccctggaca gcggcgtgag gcccacacct ctaggtaggg ccagtttgga 180
 tcctgatttt tcattgagcc aggcagtctc agcccgagtt gaaaggcctc cttagccttg 240
 gaactaacgt ctcttcaccc tgacttctgg gcaaggggag atcccaggaa aaggtttacc 300
 tgcaggtttt ccaaggccaa agccccagca aggacccctt ctccaacctt tggttatagg 360
 ctacatgggg cctgggctca n 381

<210> 424
 <211> 379
 <212> DNA
 <213> Homo sapien

<400> 424
 ggcacgagcc agccttttcc ccagcctgtg gacgcctggc ccaccctgag tgtgagtcac 60
 agagaccctg gccggtgcac cctccacccc caggcttctt cagggctgtg ggtgtggcg 120
 ggactatgga agggagcagg gagagacct gccaccaccc ggagtggcta cgcgagtgtg 180
 gactgcaggc tctcctggg gaagctgggc aggtcgtctt tctggtcagg ggccattcca 240
 gggggcatcc cttggttcgg gacccctgc agtgaggggc ctgtgaaccc caccagggca 300
 gcagccctt ccagggaccc cctcttttct gtagggcggc gccggccac ctggagccta 360
 agatccctt ttcattacg 379

<210> 425
 <211> 380
 <212> DNA

<213> Homo sapien

<400> 425

ggcacgagggc	tcaatgcact	ggaccttctc	gtccagcctg	gatgcctcta	tcattttctct	60
ttgtctttct	ctggcctcca	taccgttctg	aagagctcac	cttcccctag	ggtcctcctg	120
ccctgctctt	cccaagtga	ccagccctca	cctgtagggc	agccaaggct	ggtgggtgcag	180
ctgccccag	tgaaggtcat	tgggcatcgc	actgggcagt	gcagaggtcc	aggctgagga	240
ggtgagtggc	gcgcccatcc	tggcgctgt	gcagagaacg	ggaggggggc	ccctggcttg	300
gacccataga	tcggtgaagt	ctgagggccc	ccctgcagtc	tcagcaggac	ctgctctatc	360
aaggggctta	ctccttcctt					380

<210> 426

<211> 379

<212> DNA

<213> Homo sapien

<400> 426

ggcacgagga	ctggcctgtc	cctcaggccc	atgctgacac	cggggagact	ggagcccat	60
cagcagacag	ccaggctgat	gttatacctg	ctgtcatggg	cagacgtagc	ctctcgctc	120
aggaagatgc	cctcacaggc	tccagggttt	ggaacaactc	gtctactgtg	aatgctgtgc	180
ctgtggcccc	acctgtgtgt	gatgtcgcca	gaaccagcc	gactccttca	gagaaagctg	240
caggagtcc	ggagggggcc	cttgggccac	atgttgtcac	taacctttat	ctctatccaa	300
tcaaatacctg	tgctgcattt	gaggtgacca	ggtggcctgt	aggaaaccaa	gggctgctat	360
atgaccggag	ctggatggg					379

<210> 427

<211> 382

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(382)

<223> n = A,T,C or G

<400> 427

ggcacgagga	atgatgtctg	tatataatca	tgtcttggag	gaggtagaat	cactcaatcg	60
gaaatatacc	cctgtttctt	atatgcacac	agcatgcctc	tgcaatgcca	tcattgcttt	120
gctgaaagtt	cccccttctt	tccagagata	ttttttccag	aaactacagt	ctaccagcat	180
caagcttgct	ctgtcaccat	cgccccggaa	tcctgcagag	cccattgctg	tccagaataa	240
ccagcagctg	gcgctaaagg	tagagggagt	ggttcagcac	ggatctaaac	caggactctt	300
ccgcanaatt	cagtctgtct	gtctgaatgt	ttcttccaca	ctgcagagta	natctggacc	360
agactacaag	atacccattg	ac				382

<210> 428

<211> 380

<212> DNA

<213> Homo sapien

<400> 428

ggcacgaggg	acggctcccg	agtcgcccac	ctgacggtac	cgagagggcg	gccccctcc	60
------------	------------	------------	------------	------------	-----------	----

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gagcagagcc gtcccggcca ctcccctggg atctgacttg gctcttgagg tcgcggggcac 120
cgtgaagccc tgggggtgtgc gtgggtcctc ctggtaggag ccctttcccg gcgtccggct 180
tgggggtggtg gtggcggtga ctccagcccc gcctctccct ggagaggagg gctccactcg 240
ctccttcggc ctctccctc ggggccgcag cgactcgggc cggcttctctg ctccctgccc 300
tgccggcggt cccgctggct aaaagaagtc ttcactttcc aggagagccc aaagcgtgtc 360
tgccctaggt tgggaaaaga                                     380

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<210> 429
<211> 384
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

```

```

<400> 429
cgttgctgtc gccccctccc ctgggtgcctc ccagcgaagg gggaccgccc tttgcacttt 60
catcgcttac cccgacgcgg ggcccagctg cgggacgtgc atcacggctg ggcccccaga 120
ggagagagga ggccgacgcc agcgggtccc gctcggaaag gggaggggtt tcgggggggtt 180
cggcgctcga ccttgggggc ccccgagccc gtgtaggggg cctcccatct gctaagcgtt 240
tttcggttga gccgctccaa aaacactaag ctggggacgc cagggtgccc cccacctcgc 300
ccggttcaca cccccaaagg gagggaccca cattgcacac actgtaagaa atgcactttc 360
cgaggaaggg gaatgggagc ccgn                                     384

```

```

<210> 430
<211> 384
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

```

```

<400> 430
tggactacgg ttgcgacatg acgacagacg gggcttaatc tgatcatccc tgaggctgaa 60
gagcagggcc aggttgctga ccttaggtca cttaaggaga tattgatgga ttacatccca 120
taggtgcctg tgtgagccgg attcccaaca cattcttgct gtgggtgact cggttattga 180
ctttacttcg tttgtttgac ggtttttatg ggactgtttc tagccctgat tcacgtgtgt 240
atgaaatgaa gattggctcc atcatcttcc aggtggcttc tggagatata acgaaagaag 300
aggcagatgt gattgtaaat tcaacatcaa actcattcaa tctcaaagca ggggtctcca 360
aagcaatttt agaatgtgct ggan                                     384

```

```

<210> 431
<211> 383
<212> DNA
<213> Homo sapien

```

```

<400> 431

```

```

ggcaccgaggg cctcctgata cccagctgtc ctggggccct gaccgacctg gccagcagtg      60
gtccctctggc ccgtatcctg cagcacttcc actctgagag caaacccatc tgcgccgtcg      120
gccacggtgt cgctgccctg tgctgtgcca ccaacgagga cagatcctgg gtgttcgaca      180
gctacagcct gacagggccc tctgtgtgtg agctcgtcag ggcccccgcc ttcgccccgc      240
tgccgctcgt ggtggaggac ttcgtgaagg attcgggcgc ctgcttcagt gcaagcgagc      300
ctgacgctgt ccacgtcgtg ctggaccgcc acctggtcac aggccagaat gccagctcca      360
ccgtcccggc cgtgcagaac ctg                                     383

```

<210> 432

<211> 382

<212> DNA

<213> Homo sapien

<400> 432

```

cgttgctgtc ggtgatcggc cgctccctgt tcaaaaagga aaccaacatc cagctcttcg      60
tggggctcaa ggtgcacttg tccactgggg aactgggcat catcgacagt gccttcggcc      120
agagcggcaa gttcaagatc cacatcccag gtggcctcag ccccgagtcc aagaagatcc      180
tgacacccgc cctcaagaag cgggccccgg ctggccgtgg ggaggccacc aggcaggagg      240
agagcgccga gcgagcgag ccctcacagc atgtggtgct cagcctgact ttcaagcgtt      300
atgtcttcga caccacaag cgcattggtt agtctccctg agtgtccggt gacctcccc      360
agggcctcct tgcccagccc ag                                     382

```

<210> 433

<211> 383

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(383)

<223> n = A,T,C or G

<400> 433

```

ggcacgaggg tacatggaaa ctgtgggaca cagatgtgga atacaagaag aagcaggacc      60
cctacttgct gaagacaggc cgctttgaag aggcggcggg tgccgcgccg tgccgcctgg      120
ccctctcccc caacgcccag gtcttgccct tggccagtgg cagtagtatt catctctaca      180
ataccggcg gggcgagaag gaggagtgtt ttgagcgggt ccatggcgag tgtatcgcca      240
acttgctcct tgacatcact ggccgctttc tggcctcctg tggggaccgg gcggtgcggc      300
tgtttcacaa cactcctggc caccgagcca tgggtggagga gatgcagggc cacctgaagc      360
gggcctccaa cgagagcacc cgn                                     383

```

<210> 434

<211> 382

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(382)

<223> n = A,T,C or G

<400> 434

```

ggcacgagag aaaagaggcc ttcctcagtt ggggaccctg ggagcaggca accattatgc      60
agaaatccag gttgtggatg agattttcaa tgagtatgct gctaaaaaaa tgggcatcga      120
ccataaggga caggtgtgtg tgatgatcca cagtgggaagc agaggcttgg gccaccaagt      180
agccacagat gcgctggtag ctatggagaa ggccatgaag agagacaaga ttatagtcaa      240
tgatcggcag ttggcttgtg ctccaatcgc ttccccagag ggtcaagact atctgaaggg      300
aatggcagct gctgggaact atgcctgggt caaccgctct tccatgacct tcttaacccg      360
tcaggctttc gccaaaggtct tnn                                     382

```

<210> 435

<211> 373

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(373)

<223> n = A,T,C or G

<400> 435

```

tacggctgcg agaagacgac agaaggggca gccataagga cagatgaaaa ccaggagaga      60
ggcataggtc agaagccaaa ggaagccatg gacaatgatg gcagccaaca caactaactc      120
atggactaag aagaggaaaag tagcaactac gtcattagaa atcttaggtc agtgggttga      180
aaactgaatg gaaatcaacg tattatagaa gctatggggg agatgtgatt tttcgggtag      240
atcagctgga aaagaaggta tagggagaaa gagaaatcac tagaagtggg acagagcgaa      300
aataaagtac ttttaaaagt tggccttana aatagtgaac acatactgct tcctatgtgt      360
caggaactct ttn                                     373

```

<210> 436

<211> 374

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(374)

<223> n = A,T,C or G

<400> 436

```

ggcacgaggg aggggagagg gaagaaagta aactgaccat aaaagaaacc aattcaaagt      60
gaaaacagcg actaaccttg acacaggaat gaatcatgaa ggctggatgg gtagactggg      120
aggggtgaaa agaattgtata ttctttgttt taagctatat ataaaattgt cagatttagc      180
caaagcctag ttggaatggg agttggctaa attacatgaa atgtaacaca gacattgcca      240
aaactacttc acaggggttg tctgaacaac gagacacaaa ttgtgaagat gttccccaaa      300
ttgcaaaatg ctacactaat gtaagacaga tagtttacac aatatttcag gttcaatctt      360
tccttttcaact ctgn                                     374

```

<210> 437

<211> 374

<212> DNA

<213> Homo sapien

<400> 437

```

ctgggttgaa gctctcctgt ttgacgaaag tatgtctcag gaaggtgcgg tcccagctag      60
cgcggttccc ctggaagaat taagtagctg gccagaggag ctatgccgcc gggaactgcc      120
gtccgtcctg ccccgactcc tctcattgtc tcaacattct gaaagtgtga ttgagcatat      180
tcaaattttg aaaattattg tagaaatgtt tttacctcat atgaaccacc tgacattgga      240
acagactttc ttttcacaag tgttaccaa gactgtgaaa ttattcgatg acatgatgta      300
tgaattaacc agtcaagcca gaggactgtc aagccaaaat ttggaaatcc agaccactct      360
aaggaatatt ttag                                     374

```

<210> 438

<211> 374

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (374)

<223> n = A,T,C or G

<400> 438

```

tacggctgcg agaagacgac agaaggggag cacacctgta gccccagcta cttgggaggg      60
taaggtggga ggatggctta agcccaggag gcagaggctg caggcagctg agatcatgcc      120
actgcactcc agcctgggtg acagagccag atcctgtccc aaaaacaaaa acaaagataa      180
catgatcttg agctgtggaa attattagat tgcattattct attgnacagc ggcacctagg      240
tattatttgg tgggtttgga tttgatgcta tatttattta ctttaaattct gcctcttttt      300
tcctctctga tactaccttt atgagnntat actattaagt ttgtttcctc ttaaaggatc      360
tgacaccggc gcgg                                     374

```

<210> 439

<211> 373

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (373)

<223> n = A,T,C or G

<400> 439

```

tacggctgcg agtaagacta cagaannngg aagctggcag atgaaccatg tttcaaacc      60
aggtccacct gattccacag ctaggccctg atgtgcaaga gctgcttgca gcaatgattt      120
gaaccttctt gttttctacc aaaaggcttt cctttgtaga ctgtctctaa caggcaaatt      180
aggtaagcac cctgtgggac aggggatgaa aaaagaaaga catacagtat gttgcagaaa      240
acttttaaaa attatatcat aacatattta catctgatat caaccatatt caatgtactt      300
tcatatacat catctcttag tgtcaccaca tatctgtata tggtaatgag cgtaactctgt      360
aattatgctc att                                     373

```

<210> 440

<211> 378

<212> DNA

<213> Homo sapien

<400> 440

```

cgttgctgtc gggagggtttc agtgagccaa gatcacacca ctgcactcca gcctggcaac      60
agagcgagac tccatctcaa aaaaaaaaaa aaaggtagaa aaaaaggggc cccctttaa      120
ggggaaaaaa aaatccaaaa aatttgggcc ggaggccggg ataaaaaaa aaagcgtttt      180
tcaaaggcgg tcataggttg gggggaaatt aaacctttaa ttctctcctt ttggggggaa      240
aaacaaggcc ccatttggag gggatttttt ttttaattggg cttttgggtt cgggccagaa      300
aaaaaacctt taggggctac ccaatttttg ggaaaaaagg tttcaggggt aaaaataaaa      360
taaaattata cccccccc

```

<210> 441

<211> 374

<212> DNA

<213> Homo sapien

<400> 441

```

cgttgctgtc ggttcccttc ttatactttt cccagccag aagcacctgg taagcctctg      60
catgtcctca gaactagaaa gattagaaag agagagagag aacacatgtg gatgatacca      120
cagtcagcga gaagggactc caagctcatg cctctggggg atggcctcat tgccatctct      180
ggatccagag ggcaaattat tagcagttct attcagaaaa agggctagag agcaggggca      240
agaaatcatg cttgctgttg ctcttgaggg cagatgtatt agtttgctag ggctgtcata      300
agagagtact gcagattggg tgacttaagc gacagaaatt tcttttctta caattctgga      360
ggctacaagt ccag

```

<210> 442

<211> 378

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(378)

<223> n = A,T,C or G

<400> 442

```

tcggcacgag agagtgagtc cctgggttct aatcttgggc acatctgtgg ccatocttgg      60
gtccattttt ctgactgtga agtaaggaga gacgtctcag taccagggc ctcttcagct      120
ctttgtaggt tctgggctgg gttgtggggg actggggagc tgggctctac catccctccc      180
attagtagct ttatccagcc cgttttttgc tgctttcagg gcctctgcct tcaaggcccc      240
catgggggct gccatccatg gctctgccta cggaggggct taatgcatgt gcctgccctt      300
ccccaagtgt tttaatgaaa ctgaaaaaat agattggtcc cgcagactgg attcagaacc      360
tagctggcca gcaggccn

```

<210> 443

<211> 374

<212> DNA

<213> Homo sapien

<400> 443

```

gaattcggca cgagggcaga taaagggcag agggagacag ttcccgagcc ccacaggctg      60

```



```

gcatgttgcc tgcaagccag gacacctgaa ctgtcctatg agaccgaagc tctggctttc 120
agtcactgaa attcgggggg ttatttgtcc agcagtgaga agtgccgatt cagcagttac 180
atctgcttca tggaatcccc cttgaagcac aaagaggatg aaatgaacaa gtccccgtga 240
gatctcacac atttagatat gtgatgggga aaatggcatt ttgatgggcc atgactgcca 300
cggttcaata atctaggcta actgaggctc acgtcacttt tccttttttt tttttattaa 360
ggggcgcaac cggc 374

```

```

<210> 444
<211> 373
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

```

```

<400> 444
tacggctgcg agaagacgac nnagggagtc gaaggctttc cccgatcaca atctcacctc 60
cactacaact ctctttatac ttttcttgca gaaataataa tagaaataag gaggtggtgg 120
ggtttccaaa aatcttaacc ttcaaccatc tggggaaaag gcaaaaatcc catctaccgc 180
aactctcagt tcgagagtaa aggtttccca acagtgatgt cacaagattg accacattga 240
tcacagacat ttattcagaa cagctgggga tcaaccgttt aacctgtcca cagtgtcgag 300
tgccttccca atggtcagcc acccagtctt tgggtctacat tcagccagct cagggcattc 360
agaattatgt ggg 373

```

```

<210> 445
<211> 377
<212> DNA
<213> Homo sapien

```

```

<400> 445
cgttgctgtc gcttgctttt tcttcctgac actgtcgccc cctcctctca ggagacactg 60
ccgagggcca cctggcagaa ggctgagtta ggcagcaggg ccgggagcgt ctgccctcca 120
caggggtggg gacagatagg ctaagcgact cccagcttgc taccctcagt ggccagtgtg 180
ggcgtgggcg gtttggggcg cttggctggt ggtggccact gcacccctta atttatttct 240
ctgctgtttc tggtcttgag aaattggggg tgggagtcct acacagaggc tggccctacc 300
ctcacctgag ttgtacattt ttttgtgatg ggttgatatt tttattattt tattttattt 360
tttttttttt ggattag 377

```

```

<210> 446
<211> 378
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

```

```

<400> 446

```

```

ggcacgagggc tttccgcacc ttaaccccag tgagcgtgaa aaagaaagtt aataaaactat      60
aatacatgga agcaagaaag acactgcctc ctctgaggga ccttttccca agcatgtaaa      120
caaggggggccc cacagccctg gctgcaggca tcatgacca tcttctacca ggcagatcct      180
tattacctga gcccctaagg cagtgtctcc tcagctgggc tgcttgcaact gagacccccg      240
acccatcccc tttccagtac acacacctga tgcattgaag aatggtagag gggcttttct      300
cagcattgaa ttaataattc agtggctcct cgggagtcga atgggcattt gggacaccag      360
aaggaaaaga aatcatcn                                     378

```

<210> 447

<211> 374

<212> DNA

<213> Homo sapien

<400> 447

```

ggcacgagcc gtgtcctgcc tagtagggga tgggggtggc tttccagcac agccagccct      60
caagtttccc agaacagtct cccacacctc cccaacact cgacattgtt cctctctggc      120
tgttttttcc tgttcgggtc ctttcaaggc ccaactgtgc ccagccctct gcagctgggg      180
acactgagtg ggttgggggt gtatgtttgc aaagatagaa tttctcatgg gggagtggcc      240
ctgcttcctt cccctaaaaat ggcttggggc ttagggtctgg ggacttgccc tccatggagg      300
tcagtgggag ttgcagctgt aaggtggcag ggcctaccca tcttacagag gtgaagacga      360
ggtccctctg cctc                                     374

```

<210> 448

<211> 376

<212> DNA

<213> Homo sapien

<400> 448

```

ggcacgagggc agcttttagc atcctggcaa gagctgtgtc aaagtgcact atccctggac      60
cggcagctta ccggactcta tgatgccttg cttgggtgctt ggcacacaca aatccagtgg      120
gctacacagg ttttccagaa gccccacgag gtggtaaatg tgctgctgat tcagaccctg      180
ggggccctca tgccctcgct gccctcctgc ctcagcaacg gcgtggagag ggcagggccc      240
gagcaggagc tcaccaggct gctggagttc tacgacgcca ccgcccactt cgccaagggc      300
ttggagatgg cactgctccc ccacctacat gaacacaatc tggtaaaagt cacggagctt      360
gtggatgctg tgtatg                                     376

```

<210> 449

<211> 377

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(377)

<223> n = A,T,C or G

<400> 449

```

ggcacgagag gtggaggagg ccatgctggc tgtgctgcac acggtgcttc tgcaccgcag      60
cacaggcaag ttccactaca agaaggaggg cacctactcc attggcaccg tgggcaccca      120
ggatgttgac tgtgacttca tcgacttcac ttatgtgcgt gtctcttctg aggaactgga      180
tcgtgccttg cgcaagggtg ttggggagtt caaggatgca ctgcgcaact ctggtggcga      240

```

```
<210> 450
<211> 374
<212> DNA
<213> Homo sapien
```

```
<210> 451
<211> 378
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G
```

```
<210> 452
<211> 378
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G
```

<400> 452						
ggcagcagacc	ggtgtgcctg	agcccgtagc	ccgcccacag	gacccgtggc	acattcccgg	60
tgtgcctgag	cccgtgcacc	gcccacagga	cccgtaggct	tggcttcagt	tgggtgcctcc	120
agccgagttg	gcctattgcc	tgctcatgct	gctgcttgca	cactgcatga	aacagcaggc	180

```

cagaccagga catccagact ttctccatcg tgaggcctgg gcctgccttt ctgcagccgg 240
aggtctcgcc agccctggac tcttgctttg ggccacagca agacctcggg cgagtggaga 300
ggcggngcca ggccggggccc ttgtgggtgc tgatgctgca tgttgtcccc gacacagcgt 360
cctctccctg gtggacan 378

```

```

<210> 453
<211> 375
<212> DNA
<213> Homo sapien

```

```

<400> 453
ggcacgagca agctgaagca caagcatggc cttgtggagc gggcgatgga tgactacagt 60
gtgatcggcc gctccctggt caaaaaggaa accaaccatcc agctcttcgt ggggctcaag 120
gtgcacttgt ccaactgggga actgggcata atcgacagtg ccttcggcca gagcggcaag 180
ttcaagatcc acatcccagg tggcctcagc cccgagtcca agaagatcct gacacccgcc 240
ctcaagaagc gggcccgggc tggccgtggg gagggcacca ggcaggagga gagcgccgag 300
cggagcgagc cctcacagca tgtggtgctc agcctgactt tcaagcgta tgtcttcgac 360
acccacaagc gcatg 375

```

```

<210> 454
<211> 374
<212> DNA
<213> Homo sapien

```

```

<400> 454
ggcacgaggg gacacaggca gggacgcggg agctgatgcg gctggaccgg ccggggaaac 60
agtattttct ggaagggggc cctctgaag cggctccagga tctgcacat ggcgctgacc 120
ggggcctcag acccctctgc agaggcagag gccaacgggg agaagccctt tctgctgcgg 180
gcattgcaga tcgcgctggt ggtctccctc tactgggtca cctccatctc catggtgttc 240
cttaataagt acctgctgga cagccctcc ctgcggtgg acacccccat cttcgtcacc 300
ttctaccagt gcctggtgac cacgtgctg tgcaaaggcc tcagcgctct ggccgctgct 360
tgccctggtg ccgt 374

```

```

<210> 455
<211> 372
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

```

```

<400> 455
tacggctgcg atatgactac ngaannnctg cttggaggag gtagataatt ttattaaatt 60
gtagaatctt aaacagaact acaaggttgc ttttaaaacc agatctcaga tttctttgag 120
ctaacaaatg gtaaaatgta tcttttagtat tagagtgaga taaaggtagt tataactttt 180
tttttttttt aactaattta aggtaaacga aggcaccaag ggtacaaat tgtaggaccc 240
cacctcattg aatttttatg tctgcccatt cctataaaac caacccccaa agaaaaaggc 300
ggaaaatttt ctgctccctt gaaaattccc ttgggccttt tcctaataag aacctccaag 360
ggaacccact tt 372

```

<210> 456
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 456
 ggcacgaggt ggcgcgtgcc tgtagtctca gcctcccaaa gtgccgccgg gattacaggc 60
 gtgagccacc atgcctggcc ttcattatct cttttttaaa aatgaaaaag tttataattt 120
 acattcagta aaatcaccct ttttagtgct tagtctgtga attttgacaa atgcatgggt 180
 tttgaaccaa tcgataggac agttctggca cccaggacat tcccctctgg tcctctgggt 240
 ctctcttctt cctgccccct agcaaacaac tggggtttcc tgccctcctt gtcattggcc 300
 attaatttaa aaaaaaagaa tttaaaaatc aatttttggg ggccaggcct aagttttgca 360
 aaaccgcggc 370

<210> 457
 <211> 367
 <212> DNA
 <213> Homo sapien

<400> 457
 tacggctgcg agaagacgac agaagggcat caaggttcat ccatgttttt gcatatggca 60
 gggtttcctt ttttaagtctg aataatatct cattttctac atataccaca tttactttat 120
 ccccttttct gttagtggac atttaacttg ttctcacagc tgggctattg caaataatgc 180
 tgcaatgaat atctcataag tctcatatat gtccatacaa gatcatgaaa atggacatgt 240
 ctctgggtat tttgaattgc ggggacaatt ttgcttaagg gtaggcatag cgggtggctc 300
 tacatttgag aggtctaatt cccattccta tatatattac ttttcttctt attgatttgt 360
 ttgagag 367

<210> 458
 <211> 371
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(371)
 <223> n = A,T,C or G

<400> 458
 gattcgaatt cggcacgagg agacacttcc tgtggctctgt tctaaaaata gcagtgggaa 60
 cagagctgag gggaagagga gggggctcct tcgggagctg ggtggggagg cctcaccctc 120
 ttctcttctc tgccaggccc gatgtgagga agtcccatgg agtcacataa ttccatctgg 180
 gagagtcctg gagccatcag cctcacacc cctcctcat acaggcgagg aggccctgga 240
 ggcccggaga gcagaaagca ctggctgggtg tcaagcaagc ccagagagaa gggcccagtt 300
 ggcaggctgt ttttccttgg ctgtttcagc acagtggctg caggccttgt gctgaggttt 360
 gctgtcactg n 371

<210> 459
 <211> 369
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(369)

<223> n = A,T,C or G

<400> 459

ccccagcggc	ctccacagca	agctggccaa	cgggctgcct	ctcgggcggg	ctgcgggcac	60
agacagcttc	aacgggcacc	cgccccaggg	ctgcgccagc	acccctgtgg	ctcgggaact	120
gaaggccttc	gtggaggcca	cctttcagag	acagtttggt	ctcacgctga	gcgaactcaa	180
gcgcctcttc	aatctgcaat	tggccagcct	gccccccggc	cacacactct	tcagcggcat	240
ctcggaccgc	atgctacagg	acacgggtgt	ggccgcccgt	tgcaagcaga	tactggggcc	300
ttttccccc	cagactgctg	cttcctcgat	gagcaaaaang	tgtttgccct	ctggagtctg	360
gagacatan						369

<210> 460

<211> 369

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(369)

<223> n = A,T,C or G

<400> 460

tacggctgcg	agaagacnan	naaagggggc	aggaggatca	cctgattcta	agaattcgag	60
actgcagtga	gccgtgatct	tgccactgta	gtccaggctg	ggctacggag	agaccctgcc	120
tccaaaaaaa	aaaaaaggga	aaaagggtgg	caaaaaaac	ttaattgttg	ggaaaaggga	180
aatttaattg	gcggtttttt	ttttggaaat	gaacgggggg	aaaagtccaa	aagccctttt	240
ttattggggg	ttttggcccc	cgggggccaa	aaaaaagggg	gggccttcaa	tccacccaaa	300
aaaggttgcc	tttgggaaat	tccaatcacc	aatggcaaaag	gggaatatat	cccccaataaa	360
gtttttgga						369

<210> 461

<211> 372

<212> DNA

<213> Homo sapien

<400> 461

gccctgaaga	acctctacat	gagtgagggtg	gagattaact	tggaagacct	actgggagtg	60
ctggcttccg	cccacatcct	ccagttcagt	ggcctgtttc	aaagggtcgt	ggatgtgatg	120
atagccagac	tcaagccaag	caccatcaag	aaattctacg	aggccggctg	caaggttatt	180
tacctttagt	gaattccatc	ttctgaaaac	aatgcttttg	tgggtcttct	tgcaactgaa	240
ctacaagatt	caggcaattc	cgacttatga	aaccgtgatg	acattcttta	agagctttcc	300
tgagaactgg	tggttcttga	ccgggacata	ggacagagct	tgaggccgct	cttcctctgc	360
ttggcgctgc cg						372

<210> 462

<211> 361

<212> DNA
<213> Homo sapien

<400> 462
ggcacgagta tcttggtggt gtctgacaat acttcacctt tcttttaatt ccccatgatg 60
ttttcaatta tggagagagt attaaaaact agatttaagt ttctgcattg ttctcattac 120
actcaacact atttcattaa gttcttgata atatgtagcc ttctgtgtgc gaggaaagaa 180
ctaaataaca cttttatttg ctgaatgaga ttttaagggtgc gcaagtagca ttgatggttt 240
tcccacacag gattctatac acttatacca tcttatactt ggcatttttt ttttaagata 300
gcttttactg acgaacacaa agcttggttg tgcgcaaata taacgctaaa taaatggcgc 360
c 361

<210> 463
<211> 361
<212> DNA
<213> Homo sapien

<400> 463
ggcacgaggt ctgcagaccc ctggcccggg ctggcgccga cgctcagaac ctgcaggtag 60
ttcataagca cacagggggc tggagggagc tctgtgtctg accgcacagc agcctctgaa 120
tgccgctgga agtgatgac aaagtaaaga ttcagttggg acttgagttt tttttttttt 180
caatgggcct ggggaaaaaa agggggaaag gtaaaggggg ggcatttttt ggtgggaaat 240
ctaaattggg gcacttcagg agaattttta gccaacgttt ttataaccaa accttgggga 300
ccccagggcc tttccaagca aattttttct tggaaaaaag ggggaggaaa aaagtaaagg 360
g 361

<210> 464
<211> 366
<212> DNA
<213> Homo sapien

<400> 464
cgttgctgtc ggcacttttg gagatagagg cagggtggatc ccttgagctt aggaatttga 60
gactaggctg ggcaacatag tgagacctca tctctaaaat taaaaaaata aaagccacca 120
gaaaaaaacc taaaaacatg ccaagtgaac tcagtctttg atgaaaatgg cagcagaaga 180
gtgatgccat ggggtggggg gggaaatgct atttcagcag agagggagct gtcacggaag 240
acaccatgtg gctgggcgcg gtggctcaca cctgtaatcc caacacgttg ggaggccaag 300
gtgggcagat cacttgaggt caggagtcca agaccagcct ggccaacatg gcaaaacccc 360
atctct 366

<210> 465
<211> 361
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 465

```

tacggctgcg aaaagaacac agaagggaaa cctcgatgct gcagaactat aagccactgg      60
gcccgggect cagtttcccc actctgtact aggaattatg acagccccac tgcagagctg      120
cttgggcttc tgtgaagggg tcaagccggc acctggcaca cagtgcacac tggaaaatgt      180
tcacacggca atgggacgtg cccagccagc ccctcgctgc gctcagtgct ccagcaccaa      240
caggaggttt cctgcacaga gaaggggttg tgagctaaaa acctcgacac tcagcgaatt      300
gaaaacataa cgccccacac caaactcata taagccaggc acggtggctc acacctgtaa      360
t

```

```

<210> 466
<211> 366
<212> DNA
<213> Homo sapien

```

```

<400> 466
attcgaattc ggcacgagca gaggaggaag tctcagaacg agtgacactt cacatttgtg      60
cttctacaaa aaaaatatatt tgctgaactt atgatatcca tgatccaaag agttcagcaa      120
gaccagcaga ttggaagtat caaagtggat tatcactctc atggctttct ttagagtgtg      180
cagttcacat taatattcac attccacttt ctgctacttc tgtcagctat actctggaga      240
aaaatacaaa gaatgactta cacgcttggc caggaaatag gaaatggggg ttatttgatt      300
atggacaagg taagatgaag atgtgactat tagaggacag aaaaaacttc tagaagaata      360
ctcagc

```

```

<210> 467
<211> 365
<212> DNA
<213> Homo sapien

```

```

<400> 467
tcagagcagg caactgagag aaactgtatt acagttaccg agtggcttat taaggaaagt      60
ggcgcaacaa tcaggtccat gtttcattca aatgaccctc cattccccca acaacatcct      120
cacatctgcc aaagcaaatt atgctgctgt gctcatttga tgatggaatc agcatcgcat      180
gcaggetgaa cccctactac ggcagaacca agaaagccac tctttccctt ctctccttaa      240
gatgccacca cagagcaggg tgccagtggg ggggtggggg aaagacggag acacagaaac      300
gtctcttttt cactgtgatt ctctaaagga atatacagtc acccccacag gaaaagcaag      360
agttg

```

```

<210> 468
<211> 362
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (362)
<223> n = A,T,C or G

```

```

<400> 468
ggcacgagag ggccccacgt tctgcagcct taaggttgaa catgagtga cgtccatgtc      60
agtgtgtgtg gactcctgtg cgtgcctcgg actgctgtgt tcggcgggac gcaggcacac      120
gtgggtgtgt gtgcatgtgt gtttgtgtga gggcagcgtg tcctccagtg tgcattgtgt      180
gtgggcttgg gccccatccc tggccgagca tttattctgt ggggaggggt ggaagcttta      240

```


gnaagaaccc cactgggatc atgaggtgcc tgccaagcct tcctttatgg agaaaacttt 300
 aggtggtgga gggtaccttt tggggttggg tttcttatca tttctggata aaagttatgg 360
 ag 362

<210> 469
 <211> 366
 <212> DNA
 <213> Homo sapien

<400> 469
 gaattcggca cgagatccaa gccatctgca tcgcagcctt ttactcgaag gagtggccgc 60
 tcttggtggg ggtgccatcc tccgtgcgct tcacctggga gcaggccttc cttcgggtggc 120
 tgccatctct gagcccagat tgcattcaacg tcgtggtgac tgggaaggac cgcctgacag 180
 ctggcctgat caacattgtc agctttgacc ttcttagcaa agttgaaaaa cagctaaaaa 240
 cctttttaa gttgcatcat tgttgcaaga ggtgatcctg tggcggcaca ccaccatgtc 300
 ccggccgaga gcttacagca gacatcgcag cagccacttt ctccccagtt catgccttgg 360
 actcgc 366

<210> 470
 <211> 359
 <212> DNA
 <213> Homo sapien

<400> 470
 gtcgcttcag cgttctcggg tgctacgctg ctgcagctgt cgcctcttcc aggcgcacca 60
 ggtaaaaaag agtgtcaagt ggacatgcaa agcttggtgga gagaagcagt cctttttgcg 120
 gactgttcag tcagattctc tgctccaagt ccatagaatc tcattccaag ccaactggaa 180
 gagctgagtc tcaattataa attccttagga gaagcaaacct ggttggccca ggctgactcg 240
 gatgccacc tctggtccag tcaactggga ttgggtctca gaagagaggg gctggcttac 300
 caggtttctc aggttatgg tgaaggctct ggtgctgatt gtagacgcca tgtccaaag 359

<210> 471
 <211> 359
 <212> DNA
 <213> Homo sapien

<400> 471
 ggcacgagca gggataagac tgagcaagaa tataatactt caaaaaatgt acagctactg 60
 tttaagtttt aaacagacac catcacagtt tgtggatgaa atagttttta gccatatact 120
 ttctgtcttt ttttcccat attaatattg gggggcggat aatatcactt tgatgtacat 180
 tgatattaaa gtttggtaat gcagctttta ctgtctacat ggtactgtac attagttttt 240
 aagcagaaac acaagaaaaa tgggtataat ttcaaagtag ttcttggcag atggctagaa 300
 gaatactgca gtgaccctgt atcccgaata cacagatatc cctctattac aagtttggg 359

<210> 472
 <211> 357
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(357)
 <223> n = A,T,C or G

<400> 472

gccgttgctg	tccggttttg	cggtctggt	ttgaagctct	cctgtttgac	gaaagtatgt	60
ctcaggaagg	tgcggtccca	gctagcgcg	ttcccttgga	agaactaagt	agctggccag	120
aggagctatg	ccgccgggaa	ctgccgtccg	tcctgccccg	actcctctca	ttgtctcaac	180
attctgacag	ttggattgag	catattcact	gtgaaattat	tcgatgacat	gatgtatgaa	240
ttaaccagtc	aagccagagg	actgtcaagg	caaaatttgg	aaatccagac	cactctaagg	300
aatattttac	aaacaatggt	gcagctctta	ggagctctca	caggatgtgt	tcagcan	357

<210> 473
 <211> 359
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(359)
 <223> n = A,T,C or G

<400> 473

ttcggcacga	gagaagctgc	tcctcgagac	aaactgagca	acccactgga	tatatgctat	60
gacgtgctct	gtgaaaatgc	ctactttcag	aaatttcagc	tagaaaaggt	taatctgcag	120
gaagtgaac	ggtcaactta	tgatcataca	aggaaatgta	cagaccagct	actgctcttg	180
ggtcaaacag	acagagctgt	gcagttgctg	ttggaaacaa	gtgcagataa	ccagcattat	240
tactgtgatt	cactgaaagc	ctgttttagtc	actactgtaa	cctcgtcggc	ccctctcaga	300
acaccattaa	agttgtgcaa	cgataataat	gcaaagtcaa	attgcagaag	gcggtcagn	359

<210> 474
 <211> 358
 <212> DNA
 <213> Homo sapien

<400> 474

tacggctgcg	agaagacgac	agaagggcgg	gaggtgtagg	ttgcagtgag	ccaagattgc	60
gccactgtac	tccagcctgg	gccacagagt	gagactctct	ccccaccact	ccccaccca	120
aaaatgcata	aggataaaga	gatcaagaga	gaagacaaca	gaaaacaagt	aaattcgtca	180
aaaattcaga	ggctggaaca	caatatatga	gatgagtgt	aaaccagcat	aattggagaa	240
agctgaaacc	tgaggctggt	ggtgatgggc	tcagttctta	gaggtactgt	atacttctga	300
ggtacagggt	aatggaaag	ctgaaaaaag	gaaaattgat	tgaaagtcca	actcaaga	358

<210> 475
 <211> 359
 <212> DNA
 <213> Homo sapien

<400> 475

cgttgctgtc	gcggggcgga	gcttgggtgc	aagaatgtcc	aggagcaggc	agagggcatc	60
gaggagcagg	gcctggggcg	tggcccggct	gcgcgtggct	ggcgcgatgc	cggacaccag	120
cgtctggatc	aggttctctc	tctggctcat	ccggttcttg	gcctcctgct	ggctgctggg	180

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gaaggtgata ctgggtgtgt ggctggaagc aaacagcaca tggaaggcca cgggcaggaa
240gggtgggttag cgcagcagct ggaagctctg gctgtgatga gcagcccccg ccagcaggtc 300
atcgaaggcc agccagtcga gggccacaca cacagcacc aggctggagt ctcgcagcc 359

```

```

<210> 476
<211> 358
<212> DNA
<213> Homo sapien

```

```

<400> 476
ggcacgtggt gaccttttaa gctttaagag gaggtggaat tttggccagg acttacttct 60
ttgacattgg gatctggaca ggcagaagaa gaagaggaaa cctcttcaga taactctggt 120
cagaccagat attattctcc ctgcgaagag catcctgcag agaccaacca gaatgaaggc 180
gctgaaagtg ggactatcag gcagggggaa gagctgccat ctgaggagct gcatgaaaga 240
caagggtctt tgcattccca ggaggtccaa gttctggagg agcagggaca gcatgaaacc 300
agaatttttg ggggaaagga actctgaggg aggatgtttg tgctgatggg ctttattg 358

```

```

<210> 477
<211> 358
<212> DNA
<213> Homo sapien

```

```

<400> 477
cgttgctgtc gctcaaaaat cagatctctg cttgaaactt gaagaaggac tggtaaataa 60
taagtatgac actgctctca accttctgaa agaatcaggc ccatcaggaa ttgaaacaga 120
gctgcgaagc ttgtctcttg attgtggtgg gtccatagaa gttatgcaga gcttcttgaa 180
aatgattggg atgatgctgg acagaaagcg tgattttgag ttagcccagg cataccttgc 240
attgtttcta aagttacacc ttaaaatgct tccttcagag ccagtactcc tagaagaaat 300
aacaaatttg tcatcccagg tggaagaaaa ctggacccat ttgcaatcac tcttcaat 358

```

```

<210> 478
<211> 353
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(353)
<223> n = A,T,C or G

```

```

<400> 478
ggcacgagga gacgtcgggg actgaggcct cttcccttac cagggaccta aaaccttttc 60
tccggttggg ctagttcgct ctcggggaag aactacacct cctacatcca cctctacct 120
ctcattttta gtcccttggt cctgagcatt tctctccacg tgactcttaa ggtgagcatg 180
ggtttatgag tcttaggcatt tattgtgat ggcagcacca attctctgat gtggaccttc 240
tttagccggg gcctcagttt ctccatgtct tcagccattg catctgtcac agtgactttt 300
tcaaatatcc tcagctcggc cttcctgggc tatgtgctgt atggagagtg ccn 353

```

```

<210> 479
<211> 354
<212> DNA

```

<213> Homo sapien

<400> 479

ggcacgagca	gggataagac	tgagcaagaa	tataatactt	caaaaaatgt	acagctactg	60
tttaagtttt	aaacagacac	catcacagtt	tgtggatgaa	atagttttta	gccatatact	120
ttctgtcttt	ttttcccat	attaatattg	gggggcggat	aatatcactt	tgatgtacat	180
tgatattaaa	gtttggtaat	gcagctttta	ctgtctacat	ggtactgtac	attagttttt	240
aagcagaaac	acaagaaaaa	tgggtataat	ttcaaagtag	ttcttggcag	atggctagag	300
aatactgcaa	gtgaccctgt	atcccgaata	cacagatata	cctctattac	aagt	354

<210> 480

<211> 353

<212> DNA

<213> Homo sapien

<400> 480

ggcacgagga	agaatccagc	atcatttcgt	cttctgatta	tattcatagt	cattacgggtg	60
ctgccaagat	gttattttgtc	tgacacactt	gcacatagta	gggattttaa	aggtgagtgc	120
ataggcacct	ataattagtc	ctctatgtag	gttcctacat	acaattatag	ttaatcataa	180
acccattaac	atttagaaaa	aaaacaatta	taacatggct	taggatggag	ctgtaatagc	240
atttgtgata	gtcagtgaca	tggatgctcc	acatggtcag	aaagccttga	tgtaggaca	300
ccaggatcta	gcctgagctt	cttaaaaaagc	ataaaacaaa	gcaaaaccaa	aaa	353

<210> 481

<211> 349

<212> DNA

<213> Homo sapien

<400> 481

ggcacgagac	agaccaacca	accaccttgc	tggaaacctt	gctagcaggc	attcttataa	60
aagaaacttt	ccagcaatat	aaggaggctg	gaaactcagc	tgtgctccag	actagagcct	120
ccttacctat	gctatggatt	tttaatttat	tttctcttat	ttcatgtaca	ctgctttttt	180
tggttacagt	gtatgatgga	tgtgtatgaa	aaaaatgtat	ctttgggaaa	acaattacag	240
tttgtttaatt	tgaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	ccccccccc	300
ttaaaaaatt	tggggggggg	ttttccgaaa	ccccccctt	gaaaaaac		349

<210> 482

<211> 348

<212> DNA

<213> Homo sapien

<400> 482

cgttgctgtc	ggctggatgt	gaacctcctg	ggctcaagtg	atcctcctgt	tttggcctcc	60
caaaattctg	ggattacagt	tgtgagccac	tgtgcccaac	aagagtgaaa	cactgtctca	120
aaaaaaaaaa	aaaaaagggg	aaaaattaaa	ttggccactt	ttccgcaatt	attaagggct	180
taaaaatttt	taaaaagggg	aaaagggtt	gaaacaaaaa	aaaggggaaa	gggaaagggg	240
tattttttatt	aacttaaggg	ccagggcccc	cgcccccatg	ggaaaacctc	ccaaaatttt	300
aaaagggaaa	ccggctccctc	attaggaaga	aaaaggaccg	gaatttttc		348

<210> 483

<211> 348

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

<400> 483

tnntgctgcg	agaagacgac	agagggggcag	tttgaaaaag	gacctgggtg	ccaaagtacc	60
atattaccca	tcaatgtcct	ctcctaccca	tttccctttt	tcacaccctc	taaatctcta	120
taagcaaagt	cggaaaatgc	aaactaagct	ttgaacagaa	tcaaagtgtg	ccctctggga	180
cacttgacag	ggacttatct	cttccgaagg	atgtgacagc	agcttctccc	aatagtggca	240
gcgtttgttt	cactgttaga	ctggaggagc	acaaggagca	tacaacatgt	ggctctgtcc	300
acaccactgt	gaagttgttg	gttctgagaa	attactgggg	ggagtgtt		348

<210> 484
<211> 349
<212> DNA
<213> Homo sapien

<400> 484

agctcaaggg	cgttacatgc	gagaacaggg	aggctgtgct	ggatgctttt	ctggatgatg	60
gcttccttgt	ccccacattt	gaacagttgg	cagcttttgc	gatagaatat	gaagaaaacg	120
tggacttgaa	tgacgtcctg	gtgccaaagc	cgcttctctc	gttcttgcag	ccctgctca	180
ggggcctgca	ctcccagaac	ttcacgcagg	ccctatttga	gaggatgtct	tctgaactgc	240
cagccttggg	gatcagcggg	atccggccta	cctacattct	cagatgaccg	gtgaactgat	300
cgggggcaac	accagactt	gaccgaatgc	tgcgggattt	tctgcagcc		349

<210> 485
<211> 351
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

<400> 485

ggcacgagcc	tcggcctccc	aaagtgtctg	gattacaggt	gtgagccacc	gtgcctggcc	60
cggaatatt	tagaagagag	tgatcatctc	tatcaaatac	ttcgatacat	taaggtgaaa	120
actgagacag	gctattggat	gtgaccaa	agaagtgggt	ggcaccttg	ataggcagtt	180
tcagtcaatc	tgattggagt	gggttcacaa	aagaacggga	tgagaagcaa	acttagacaa	240
ttttctgggg	acttttgctg	taaatagcag	agaaattgca	taatagggtt	aaaagagagg	300
gttattatta	ttttattaaa	ggtgcattgg	gagtgtatcct	atagaaagga	n	351

<210> 486
<211> 354
<212> DNA
<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(354)
 <223> n = A,T,C or G

<400> 486
 tacggctgnc agaagacgac agaaggggga aatggggctg ggggccgtcc ccgggagaca 60
 ggcggccttc cgagagggac tggagcaggc cgtgcggagt gggcattgct tgatgggcag 120
 gaagttgagt gttccttgca aggggtgctgt ggcaagagga ggcctggtgt atttggcagc 180
 gttcctgagg ctgtacatga tccacctgat ggctggtcga gtaccccagg gagctgatcg 240
 aatagcagtc aaggctgaga tggaggccgt ttttctggag aacctgaggc atgcagctgg 300
 ggttttggct cagcaggacc tcgtgggact gctggagccc atcatcacgc gcat 354

<210> 487
 <211> 346
 <212> DNA
 <213> Homo sapien

<400> 487
 tacggctgcg agaagacgac agaagggggtt tcaccatggt ggccaggctg gtctccaact 60
 cctgacctca tgtgatccac cctccttgac ctcccaaagt gctgggatta caggcgtgag 120
 ccactgcgcc cagcccaaaa caaacttggt gggactccca ggtgcttata gacatgtggt 180
 tggaaatatt agatagacaa ctggatctgg gctctggaac ttagcagaga ggcctagact 240
 agagatacaa atctgggagt caccaccaca tagacagtgg aggaagctgg agactggtga 300
 gattacctgc caagagaggg agtgtgggtg gagaggaggg cacaag 346

<210> 488
 <211> 333
 <212> DNA
 <213> Homo sapien

<400> 488
 aacatacaat atagaccgta tatacgaaaa ttcacacatc tattcattct ttgccgacac 60
 tcaacgatat gcgcttcaca tgatcactac tgcaggcgaa aggtctatga catgtgactt 120
 cattgcttta ttctgacta tacattcgcg actttcagct aggaaggcac agcattagca 180
 ttcattcaac agacttcgct tctcttagac caggaagagg tactaagaga actttccata 240
 ggcaactctc ccgccttttt gaaaattaac tgtttgtgat ttggtatcat aaacaagtga 300
 tgtaactttt caggtgaatt gtttctgtgt tta 333

<210> 489
 <211> 320
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(320)
 <223> n = A,T,C or G

<400> 489

```

tacggctggt agacgacaga agggaccatt cttttactct gagttcttcc attgtgatca      60
tctagtcaga tgggtagatc cttataaggc tgagcataat aagcttcctg atagctctac      120
actggtatgt tttgggggttc atggctgagc tacttttgtg ttttatttat ctctctgac      180
tctttttcac tgtaagagac atccagcacc cagnгааatt tgctggctaa ttcatacntc      240
actcttcaga ctagtactag tngtcagntt tgtntttgtt ttttttctgt gctgaaattc      300
tattaaaatt gtcaggctgt                                     320

```

<210> 490

<211> 297

<212> DNA

<213> Homo sapien

<400> 490

```

gttgtctacc atgtatcaga tgctcaaata tagttacgtg attttttcat tatgtagcaa      60
ctgtgcatct tcatgtcaca aacttgcaag aaatagaatt tctttattat cttataaatt      120
gggttgtctc acgtgtccca cttctgcctg atgggagaaa cttaatatac agttaatgcc      180
aggataactc agtcgattaa gagttttttt caggtaagtc ttaatattcc tgtagatgaa      240
tgгataaaca aactggcaca tccagacgat gggctattat tcagcactaa aaagaat       297

```

<210> 491

<211> 694

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(694)

<223> n = A,T,C or G

<400> 491

```

gattcgaatt cggcacgagg ccagggggcta aatagttcat tgcaggagca ctgagggctc      60
agaaacctcc agacagaact ggcttggtcc tgctgggcag agatgatgag cttcgggtgtg      120
gccagaacgg tgggggtcct gggcacccctg tgtcaccaat cccaggggag aggctgtgtg      180
tggtgagcct tgttggcact gcatcatgag ccacgagcag ggcgtggcca ctgttgtgca      240
ggtgactccg ccagggagcc atggtggagc tggggagctg ggctgtcat gcgggtcccc      300
ggggagccgc agtggagctg gggagctggg cctgtcatgc ggtcccccgг ggagccgcag      360
tgгagctggg gagctgggгc tgtcatgcgg cccccggctt ctcagaggтg ttatcatcag      420
gtccccccac aactgatag gggtgaggтt ggaacctctg tgctccagct ccctctgggc      480
tctttgggag ccagcctggg aggcctcang gaggaacttg natggagact gggactggag      540
tcttgcccttg ggtttccctt ggggccggnc tgcaagcttt ttggcttntt agcagccctt      600
ggaaacaacc ngatctgtat aggaggggag ttgacaaaac tcccggagag gagaagacga      660
cacatgccaa ctgttgctg gtaacacagc agcc                                     694

```

<210> 492

<211> 646

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(646)

<223> n = A,T,C or G

<400> 492

tacggctgcg	agatagacga	cagaagggtg	aggggtgagc	ccaagagcat	caaggctccc	60
atcaacagcc	agtcctgtga	gtgaggccat	cttgacctg	ccagctcagt	aaaccctttt	120
gctgaacaca	gcccaggaa	ggaacccttg	caaaatgaaa	tcgtgtggc	agtttgcggg	180
gtggttatta	cacagcagta	gatgattgaa	aaggcccagt	gtcttcctgg	ggactgaaac	240
accacacctc	tgttcattgt	gatacacggt	gagcagcata	tggatgtggg	agtgggtgtg	300
gttgccangt	aggtanagaa	gcantgaaca	gagcacgaag	acctgatgtt	ccagggtcgg	360
gagtttagac	ttgatcctaa	caacggncat	aggcggatat	aggcaaagag	taaccgtggc	420
agattttcat	tttaaaaagt	actctgacat	ccattggaaa	atgaacttga	tgtcacaagg	480
ctgatggagc	caggatgacc	atttgggagg	tgantgtagt	aatctactta	cgagttcatt	540
acgagctggg	gaatgttgat	ggtgttaaga	cnaaaaaatg	gttttgcaca	cccagcggag	600
tgataaggtc	ttaatggggc	acgcgcgcac	gtctcccctc	ttaccg		646

<210> 493

<211> 660

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(660)

<223> n = A,T,C or G

<400> 493

ggcacgagaa	agggctctggg	gaaaaaat	ttcttaaagc	gacaagactc	ttatatctaa	60
aaggaaactg	acttgccacc	ttgccagagg	aattcttgaa	atgtttctgc	agccacttgg	120
ccttgaaaat	aaagggcgca	actctcaagt	cttggttctaa	cccggctgga	ggaaccacaa	180
gacccaatga	aatagcattt	tctctccttt	tgccagcact	agtatataac	ctatgaggaa	240
cccttgcttc	tgaatctgct	cagcttgaaa	ttttgtctct	gaaggaagag	aatgaactca	300
gccctagtct	gacagtccta	gatttctgtg	aaataagagt	attcttcaac	ttagtgtctc	360
cactcacata	ccatgagggt	tctctgcagg	ggtttaggcg	gttcttgaat	ttaaaagttc	420
tttaaaggcc	tctctttggt	aaaacaattg	aaaggcagac	accaacaaag	tctgcaaat	480
tactgtccag	ataggatatt	angagctgta	aattagcttg	agaaatgacc	tatcttacgt	540
ttacaagta	gaaatctaaa	ttgtaagctt	ctgacaagtg	tatgtcatta	atgctangac	600
atggatgatt	ttatccccta	ctgggatatg	ttggtaacaa	actcatggat	gaagggcaaa	660

<210> 494

<211> 219

<212> DNA

<213> Homo sapien

<400> 494

ggcacgagga	ataatgtgtg	ggcgaacatc	ctgtcactta	cctagagatg	ttctcacgag	60
agcttgccgc	taccaggatc	ggcggggcca	gcagcggtc	ccggagtgga	gggaccctga	120
taagtactgc	ccctcttaca	acaagagctc	tcaatccaac	agcccagtgc	ttctgtctcg	180
actgcacttt	gagaaggatg	cagactcatc	tgagcgtat			219

<210> 495

<211> 215

<212> DNA

<213> Homo sapien

<400> 495

ggcacgagggg	acgcctgcat	ccgagagcgg	ttcgtggaca	gcaagagggc	gcgggagctg	60
caggggtttc	tcgatggcgt	caagaagggc	caggagcagg	tgctggggga	cctgtccatg	120
atcctgtgtg	accccttcgc	catcaacacg	ctggcactga	gcacagtcag	gcacctgcag	180
gagctggtcg	gccaggagac	actgcccagg	gacag			215

<210> 496

<211> 445

<212> DNA

<213> Homo sapien

<400> 496

ggcacgagga	gagagagaga	gagagagaga	gtgagagaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	120
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	180
gccccctct	cgcgctcttt	tttttttttt	ttttttgggc	cccccttttt	ttttcttttt	240
ttttttttat	taaaaagagg	gggggggggg	ggggggggccc	ccccccccc	cacaggtatt	300
tctttttttt	tttttttttt	ctaataaaag	gaagggggccc	ttttttgcgc	ccccccctcc	360
cccccttttt	ttgggggggg	ggggggcccc	ccggcccttc	ccctctgggg	gccaccactt	420
ccgtgtgttt	tttttttttt	tcttt				445

<210> 497

<211> 449

<212> DNA

<213> Homo sapien

<400> 497

atacatgcaa	gctacgcagg	attccatcga	gacgaattcg	gcacgaagcc	agcatggcaa	60
aaccccatct	ctactaaaat	acaaaaatta	gctgggcatg	atggtgcaca	gttgtaattc	120
cagctactca	ggaggctgag	gcatagagaat	cgcttgaacc	tgggagggcag	agattgcagt	180
gagcccagtt	cgtgtcactt	cactccagcc	tgggcaacag	agtgagaaca	tgtctcaaaa	240
aaaaaaataa	aaacagtga	tgggtgtagg	tgtgatggaa	ttacttttac	ttactaaagg	300
gtttcgggag	gttgtttctc	caggtaaaaat	tgtcgctctc	ctgggtcccat	tcccaccttc	360
aaacattata	tgcaaacagt	tttaaaaaat	cttacagttc	taaaaggctt	gtgacaaaaa	420
aagaggcagt	ccctctttca	cattgacaa				449

<210> 498

<211> 451

<212> DNA

<213> Homo sapien

<400> 498

tcgaattcgg	cacgagacct	ggtgtctgag	tgattctctg	cagacccttc	ccctcctcaa	60
ggatcacagg	ccttccactg	gacaaccca	gcgtgctttc	aggcccatg	caggcagccc	120
tgcaggccgc	tgcccacgcc	agtgtggaca	tcaagaatgt	tctggacttc	tacaagcagt	180
ggaaggaaat	tggttgatac	tgaccccag	gccttgcagt	ggggctgact	ccaaatctct	240
cctgccctcc	ctggcaagca	gggaccaaca	ccttgtatca	ccccaccaca	cgcagactca	300
tgcacgcaca	caggaaggag	gcctatcttg	ctcaaagctg	caaggaaggg	ccaagaaccc	360

```
gctgggaggg gggggccctt ttgttgaaaa cggtaagaaa gcgaggagag ggtttgatta 420
gagaagcttg gggcccctgc cagcttcttg g 451
```

```
<210> 499
<211> 431
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G
```

```
<400> 499
ggcacgaggt ttatcgagga cacaatgagg atgccaaggg acagagaagt taaggaactt 60
gtccaaaatc accttagtga taactggcag agcttgaatc agaattcaag taatctggcg 120
tcatgtccaa taccactaac cattgcattc tgctgcctct cagaaataaa ccaggcatag 180
agtaaaaatt catctgtagt tcaagaaaca atttattgaa gcttcctttt tctgtcaagt 240
ttggaaaacg ggagagaaga taggaatcga gactgagaag acgaccaagt ggttctgagc 300
tgagagaaact gggaaattga aggacgtaga ttagctaang gaagaatata agacctgatc 360
cttctanaaa tttttttaat ggagggaatt cacaaaacat aacagccatc ttaagtgaac 420
aatcagtga a 431
```

```
<210> 500
<211> 437
<212> DNA
<213> Homo sapien
```

```
<400> 500
tcggcacgag gcagaaatga gtaaagtttg ttttatcttt tcttaatatg acaattattg 60
tgttggttca acctatgttg tactttaatt agaagaaatt tggccgaaaa tacaaggaaa 120
atatacaaat gcaagtaatt ttttttaaac ttccctgaaa gcagggtcta aagaaattac 180
caaccaactt agactggatc tagaagaaaa ggaaggggtct ttgcagtctt aggactcttc 240
cgttccgcga cagacgtgtt aggataacag ccataaatgg ttgtaagact ttggggtcag 300
atacagagac ttaagttcac attttgactt attttacaag cgcgcgattt ttagcaagct 360
catcttctta aaccatgagc tgcttaattt gaaagggggac attagccact cttcagcagc 420
agccctggta cttactt 437
```

```
<210> 501
<211> 429
<212> DNA
<213> Homo sapien
```

```
<400> 501
tcgattcgaa ttccggcacga gggaacacgt tcaggggatt gtgaggctct gcacaagcca 60
cgtggggcac cttggcttcc cggcaggagg tggacacca gccagaggcc tggctcaagg 120
tgacctcacc ttcaccatgg gcttcctggg tgcgcgggcc tgagcgcagg ttgttttgta 180
catattggaa tatgtgttaa cttatgcccc gcacccaac tcacacggaa gcacgggtct 240
tgtctcagtc tcttcgctgc atttggaaag cagtctcttc tcgggccagc gccgggctga 300
ggtgtccaga ggcgggcgga gctggcagtg ccctcagccc ccaagtgtcc agcctggcac 360
ttcccattca ggccacctgc tttgggtcaa cagttccttt gccagcagca tctcctaaat 420
```

tgaaggact

429

<210> 502
 <211> 434
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(434)
 <223> n = A,T,C or G

<400> 502
 cattcggcac gagattgaac accagtatac aataacttta gggtcatatg gatcattggt 60
 ttcacgatta cagtaggtct ggtgcatggc actcccagat ctagtagagg ctctgatgtc 120
 agtagcagga tggaggagag ctgggcttac agcctctcaa cttgttggcc cttataccat 180
 cactgcactc atgtccttgc tctgtgcaga agtagaatca gaaaagcatc aggcaccttc 240
 atggtataaa ttgtgtctat ggggtgcagtg aataagcaaa aatcagaagc agaccggagg 300
 gacttataaa aataggtaca gggtcacaaat ggggtgcctat atgtagcctg tgacagataa 360
 gaagctgaca gtgagacaaa caaaaaactg aggctagagc ctcattcctc tgactcctaa 420
 tncagnngtc tctc 434

<210> 503
 <211> 438
 <212> DNA
 <213> Homo sapien

<400> 503
 ggcacgaggc aaggcccagt ggatgagaat cccatgatgg ccatatttct gcagcatgcc 60
 gcaggactct tacatgcaat gtgtacactg tgctttgctg tcaactgtgaa ggcatacagc 120
 atatttgaca ataatcgcca ggatcccaca gggtgacag ctgctcttca ggcaaccgac 180
 ctggctggag atcttcatat gctctactgt gtcctcttcc atggcaccat cttggacccc 240
 agcactgcca tgcccaagga gaattacact caaaatacca tccaagtggc cattcagagg 300
 ttacgtttct tcaacagctt tgcagctctt catctgcctg cttttcagtc tattggaggg 360
 gcagagggct tgtcccttgc attctcgcac atggccagct cctctgtggc cactgcagcc 420
 aaagtctctg tgaaagcc 438

<210> 504
 <211> 434
 <212> DNA
 <213> Homo sapien

<400> 504
 ttcggcacga ggcctccagg aggcaccagg caggccctgt atcaggctag gacgctctga 60
 gctgtgcatg tacatatata catatataga tacatttata atatatacac acagtctata 120
 tattttatata cactgtttcc tggccccaga gctcatttgg gtccaggcgc acttcaaaac 180
 cctccctggg ggaggctgtt tcttctcagg attccttgcc agggaggaag gggaggggaa 240
 aggggtgggtt ttctcactga agagagaaag cagaaggttc tagatcctgg cacagactgc 300
 atcccatgtt cccatgctct tctccgtccc caggaatgcg aacggcagtt tcccttctc 360
 agtggacgtc taggtgggga caggggatct tggcttccag cctgaccatg agagccctgc 420
 ttgcctcttg tctt 434

<210> 505
 <211> 425
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 505
 gcatcagacc ttctgcggat cccatcgatt acaattcggc acgaggccag cagtcctctg 60
 cagacatccc ttagccggcc tgctggcctt gctgactttg gaccttcaag cgcctcttct 120
 cctttgagnt cccctttgag caagggaat aatgttcctg ggaatcccaa gaacctccac 180
 atgaccagca gcctatcccc agactctctg gtccggaaac agggcaaagg caccaacccc 240
 tctggaggac ggtaaccatc tgggcccctcc gacttccttc aaccaaacca gggctagagt 300
 cctgacctgc cagtggctct tggatggctt gccccgtgca gcatcttgca tcctgagtca 360
 gaagtggaaa tgtccagcaa gggaaggaca ggcaggtgga tgggtgtgagc acttttatca 420
 tctgt 425

<210> 506
 <211> 432
 <212> DNA
 <213> Homo sapien

<400> 506
 ggcacgagag ccggccgaag cgtggcggcc acagactgtg ggtaccgggt ccgagggact 60
 cgcgcttttg tgtccgtgcc atggcgccag cgagggccac gaacgtgggt cggctgctac 120
 taggctccac agcgtgtgg ctttcgcagc tcggctccgg gacggtcgcc gcgtccaaga 180
 cgggtgactgc ccacttgccc gcgaagtggc ccgagadccc gctgctgctg gaggcaagag 240
 aattcatggc agaagaaagt aatgaaaaat tttggcagcc tttggaaact gtgcaagaat 300
 tagcaggtta taagcgaaca gaatcagatt attcctatta caacttattc ctgaagaaag 360
 ctggtccgta ctagacattt acacatatac cgcttaaaagt gagctggcgc catattggca 420
 tactccccag ct 432

<210> 507
 <211> 430
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

<400> 507
 ttcggcacga gttgagacag agctaaagaa gaggaaaggg atcgtggaac atgaggaaca 60
 gaaagttaag ccaaagaatg cagaggactg tctttatgaa cttccagaaa acatccgtgt 120
 ttcctcagca aagaagaccg aggagatgct ttccaaccag atgctgagtg gcattcctga 180
 ggtggacctg ggcacgatg ctaaaataaa aaatatcatt tccacggagg atgccaaaggc 240


```

gaaacagtcg gaagagaata ggacatcagg gcttttacct ttacagtcac catcctttta 120
tggtagcaga gctggatcca aagaacactc ttctgggtggc actaacttat acagtattct 180
ggaagaaaag actaaggaaa ataaaggcaa ggaaattggc aaagaagtaa taaatgaaga 240
tggtgaaagt cctcacatcg aaaagcctca aaaaatacca aacaacaaat actttttaaa 300
aaatccacat tttgtcaaaa aagatgctgg tgaagttgtg gagaaaaaga aatgtgtata 360
cactgttggt aggagtgtaa attagttcaa ccattgtgga agagn 405

```

```

<210> 511
<211> 414
<212> DNA
<213> Homo sapien

```

```

<400> 511
cggtgctgtc ggtttctata aactttaatt acctctgatg aggagtgtat cccctcatca 60
cattcacccc aaaggtagag aggagttcat ttttaaaaat gtgttagagc aataaaaggc 120
cattatagggg agggaggatg ggggtgtggaa gagacgatag agcgagcgag agagagagaa 180
aacacactag ctctccctgc tgggaataata ggcttgaaat atgaggaagt tgatcaactg 240
ccgctgcctt ccaaaaacag attaatccac cttggtagct ttcctttcag agcaagcttt 300
tggtctgtgc gactttctct atcagcctga actcaaaagg acacaggcca catgccatct 360
gagcttaaga gttattttgt gtgttgatct gagaacttca cattttaaaa caat 414

```

```

<210> 512
<211> 412
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (412)
<223> n = A,T,C or G

```

```

<400> 512
gtccgtcgct cgccatatac attgaaaact cttatcttgt gttcactttg cattccttgc 60
agggtgagga tgttttgatt tctggtctta gtctcattct tccttctttg tcctgttggt 120
cttgttcttt tctttttgat ttgtagggtg tattaggatg gtgcaaaagt aattgaggct 180
tttgcatcgt tgaaatttgc catttgatac tggaataccc tcttaaacct tcttaaagt 240
nggtatgtta tacatcattt taatgggcat ttctcacttt gttttttttt tttgctaagg 300
actaataact ggctgtttat atttatttta gactatggaa aggatttttag acaaaaggca 360
ccttcagggtg gttttcttat ttgagtccaa aatgggtcat accgcagcaa aa 412

```

```

<210> 513
<211> 407
<212> DNA
<213> Homo sapien

```

```

<400> 513
cggcacgaga tttctatgga taggaggctg atttgttcca ttatgcgaag atgatgggaa 60
gaaaagctgg atgtgcaaat gcagggtgaat ttgtggatat attagaacga agacgacagg 120
ccttgatgga tggttgaaga actcaaacat tagacagtac tgggtctgag ttctgactct 180
gccttttgca agctgtgcaa ccataggcca gttatgaaac cttagttatc aagttataac 240
taataggatt gtgttgaaca cgaaatgaca tgataaacat atgtaaactg cttggatcag 300

```



```

ttgttggggtt ttttggttaa aaatttgata aattaccccc cttttttttt gtttttggct 300
ttttggaaaa attgtaccac cggagcgggt ttgcaacctt gggggggaaa aaccaatttt 360
cctctagggg gacccaaatt gaaaattggg gcccgggatt taatttaaaa ccc 413

```

```

<210> 517
<211> 406
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

```

```

<400> 517
ggcacgagag caactagggc cctcatcact tcgcccgcga atccccggcg ccgcccagcg 60
gggcagagcc aggccagggc cgcccgcaca acctgggtcc ctgcctcttc ggccatggaa 120
gctgccggca gccctgcggc tacggagaca gcttctccac tcttcctcct cctccacctc 180
cgcccatgaa atggtgcact ctccctttaa gactaagatg gtggcttgct acgatcggga 240
ctccacttcc ggtggggagg ggggcgggac cccagcccgc tcacgccgga agtggttgcg 300
tttcaagatg gcgactccta tgtactgacg agaccggcgg gggggaaccg ccanactctc 360
ccttcttttg actcaccttg gatacatcan ggcagagatg gaccaa 406

```

```

<210> 518
<211> 413
<212> DNA
<213> Homo sapien

```

```

<400> 518
ggcacgagga cagccagagc ccccagcacc tggcactgct ctgccagccc ctgaccggaa 60
gcgcttctcc ctgcagagct atgcggatta tatcagtgcc gatgagctgg cccaagtgga 120
acagatgctg gacaataaag atgacaatgg ggggtgaagc tctaggtata tcttcctgac 180
caagtttctg aagtttctgc aggagaacgc cagtggccgg gggaacatgc ccagtctctg 240
ccccctgag tacatggtct gcttcttaca ccggtgatc tctgccctgc gctactattg 300
ggatgaatac aaggcttcca atcctcatgc ttccttcagt gaggaggcct acatcccgcc 360
ccaggtcttc tataatggca aggtggacta ctttgacctg cagcgcttgg ggg 413

```

```

<210> 519
<211> 422
<212> DNA
<213> Homo sapien

```

```

<400> 519
ttcggcacga ggagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagcg 120
cgcgcgcgca aaggcgcgcg ccccccccc ctctagcgcg cgcgcgagag ctatcttttt 180
acaccacaaa aagtgtgtat atacgcgcac acacacacac aaagaaaaaac acacgcgcg 240
cacacccccct tggggggggg cacacactgt gtctcgagag agacagcata tattcgcgag 300
agagcgctct ctagaaaaaac acgcgcgctt ctctgttttt atttgcccc cccaccacg 360
cgcgctgcaa aaaaaaaaa aacaccactc tctcttgttt ttgtggggta cccaccacac 420
cg 422

```


<210> 520
 <211> 417
 <212> DNA
 <213> Homo sapien

```

<400> 520
ttcggcacga ggagagagag agagagagag agagagagag agagagagag agagagagag    60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag    120
agagagagag agagagagag agaggggcct gtgtgtatct ctctctctca aactctccct    180
ctctctctag agattttttt ttgtgctgct ccgccagagt gtctctcttt ttgtgctgctc    240
tctatatctg tccctggtgt gtgttttccc cctcctcttc tgcccccccg gttttatatt    300
tttgctcccc ccccagagag agtgtgtggg ctctttttct tttttggggc cccccctccc    360
tggggggggg gtttttttcc cccggggcct tggggcctat tcccagcttg gggggggg    417

```

<210> 521
 <211> 422
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(422)
 <223> n = A,T,C or G

```

<400> 521
attcgaattc ggcacgaggc tgcccggagc tgccctgggtt gcgctgccgg ccacgtcccc    60
gcgccggggc tcaggctcct tctactgtc cgagggccac caggccgccg ggggcctgct    120
gcgcccgcat gcgtctgtta ctagagtggg gagtctacct tcgtctcaca tgtgccacaa    180
aggatggcat ggcccgggag tgccccacca cgtggctttc accccctgca aagccagact    240
tcgccagcgc acacagtgtc aagccccacg ctctccaagg aggaagatgg tccaggctgg    300
gagcatcccc ttagcagcag cctctgatcc cttggccaag caggagggaa ccattancag    360
cctgaggagc tggctggctg ggagcctcgg ggaccgcca gccttgctcc cagctcaccc    420
ac                                                                422

```

<210> 522
 <211> 405
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(405)
 <223> n = A,T,C or G

```

<400> 522
ccatcgattc gaattcggca cgaggctgaa cgcgcggtca ccctcggccg ccgcacccag    60
cgcacttccc ggcgcgattc ctggacgcac actgcaggac caagggcacg cagaggtcgg    120
agcctgcccc gaagccacac ctggccagaa aaaccgaagg tgtatcaagg tgtccgagtg    180
aagatcacag tgaaggagct gctgcagcaa agacgggcac accaggcggc ctccggggga    240
acccggtccg gaggcagcag tgtccacctt tcagaccagc ttgcaccatc ttctgcagga    300

```

ctgtatTTTTg agcctgaacc aatttcttcc acgcccatt atttgcaacg gggagaattt 360
tccagttggg gttcatgtga agaaaactca ngctgcctcg accag 405

<210> 523
<211> 418
<212> DNA
<213> Homo sapien

<400> 523
ggcacgagca gaccctgaca agattgagaa gatcctcagc actcttgta aagggacacg 60
cagacctgtg acctgcaaga ttgcctcct gccatcgta gaagataccc tgagccttgt 120
gaagcggata gagaggactg gcattgctgc catcgagtt catgggagga agcgggagga 180
gcgacctcag catcctgtca gctgtgaagt catcaaagcc attgctgata cctctccat 240
tctgtcata gccaacggag gatctcatga ccacatcaa cagtattcgg acatagagga 300
ctttcgacaa gccacggcag cctcttccgt gatgggtggc cgagcagcca tgtggaaccc 360
atctatcttc ctcaaggagg gtctgcggcc cctggaggag gtcatgcaga aatacatc 418

<210> 524
<211> 398
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (398)
<223> n = A,T,C or G

<400> 524
cgttgctgtc gggctagcgc agcccccg agtccttgtt ctcttaaga gggctctcgt 60
ctgcaaagca ttggcgccat ggcttttctt ttgcatgggt gtgcacaccg agagacaggc 120
agcttatgaa aaacaacata aggaagactt aaaaggatgc actgatttac gacgtttttt 180
gatgttagcc atttttttgg aaattgtttt tttaaagcaa agttctttaa aaacatgggt 240
tatagttttt cacttacata tactattgca aatacttagc agagtcttaa gttactgtat 300
aaaacatttc attgcgtttg aagacatact tatgggtctt gaggcctggg tcctaatact 360
tttaaatagc gtatttatta tgtaaactga ggagtgcn 398

<210> 525
<211> 388
<212> DNA
<213> Homo sapien

<400> 525
aattcggcac gacgaggctt tagccatcca gccctttccc ctgctcaggg ctgggggttg 60
acgggggtct ctctccccc agtcctctcc tccaccctc acatacatc ataatttctt 120
ggcctagcca aacaagtcca ggccactgaa tggcaccaga ggggtctgtg gtcagccacc 180
ccaccttgag ggcagcacag gcaccatcgg gtggaggagg gggggaggct gccggaagcc 240
tccagatgct gcctgcctgc ctgcagaagc ctgcagtggc tgctgctcct gcctctgcag 300
ccgccccctc tctccacca ggccccactc agagctccgc ggcgggcagc cctagctgtc 360
acaccgatca gtcctctctc ctccacggg 388

<210> 526

<211> 388
 <212> DNA
 <213> Homo sapien

<400> 526
 cggttgctgtc gcttttttact aatcgccaaa ttgattagtt agcaaatcac ctcatcttcc 60
 aatgaggtga ccctgtgtac ccacactcag gctaagatgc tggcaaaggc taagaaacag 120
 cagagtccta gctagctttg cttacttcct ggaactgtta acactttttg aggcaagcat 180
 tagacaaaaa gggtcctttt gagacaataa ccccataata aaaatgcctt acatttttga 240
 gcactatatt ttaagcactg ttttttatac atattcattc atttaatttt ctcaacaact 300
 ttaccaagggt gacactacaa tgatgcctat ttcaaagata aggcaactga gagctgagag 360
 gttaataact taaatcatcc tcaattct 388

<210> 527
 <211> 398
 <212> DNA
 <213> Homo sapien

<400> 527
 ggcacgaggc agaaatgagt aaagtttget ttatcttttc ttaatatgac aattattgtg 60
 ttggttcaac ttatgttgta ctttaattag aagaaatttg gccgaaaata caaggaaaat 120
 atacaaatgc aagtaatttt ttttaaaact ccctgaaagc aggggtctaaa gaaattacca 180
 accaacttag actggatcta gaagaaaagg aagggtcttt gcagtcttag gactcttccg 240
 ttccgcgacg taagtgttag gataacagcc ataaatggtt gtaagacttt gggctcagat 300
 aagtagactt aagttcaaat tttgacttat tttacaagtg tgtgattttt ggcaagctca 360
 tcttcctaaa ccatgagctc cttatttgaa aggggaca 398

<210> 528
 <211> 398
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (398)
 <223> n = A,T,C or G

<400> 528
 ttggtctttg tttttcctat agggaaaaaa gtcaaaataa gttccaaaaa ctatcctcaa 60
 agtagtattg tgctttagt aaatgaaggt tggatggatg gatactgaca atggtggcag 120
 gcatttcaag ctttttaaat tagtactttt tgtcgtcttg cttattaaaa ttttgttaat 180
 tttagcaaag accaattggt gtgataaact ggggtttttt ggatgcttca agcacacggt 240
 taccattttt ttaaattccc ttttgggttc ttccatttgt cttaaatagg actttcatat 300
 tattaaaacc ctcaaaagat gatccacca ggatgaacca agatcaccag gggggagaaa 360
 acattnttat ctttaccgaa acctgtaag atatatat 398

<210> 529
 <211> 402
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(402)
 <223> n = A,T,C or G

<400> 529
 cggttgctgtc gcttttaaatg cccagtcctct ccttcaaaag ccggctcctt tctctccctc 60
 gccttccctag attccttctc cactccccag gatcagcctc ctccctccca cccaccact 120
 gctgggggga tgtctgtggt caggcattta tcagagaccg tgagggtggg gtcccttatg 180
 tgtctggggg atggagagtc tagaggaggt agcgttcaga cctctccatg gtgcctctgc 240
 tgggctcaca tgtgaccaag cacagcaaac catgaggcag gggatggtct tgaccatgag 300
 agcccttgca gcagctgccg tgggcctcag ctccctctca agctgggaag agccctgaaa 360
 agccaagggtg ttttttttcc ctctttatct cagtgttaagt cn 402

<210> 530
 <211> 386
 <212> DNA
 <213> Homo sapien

<400> 530
 aaatcatatt acaccttcaa aatacacact ctgaattata aagatgtggt tgttttcttt 60
 ccaaatcatg tagaattgat ttccagttca aggataaacc aaaacaatat ttagaactat 120
 caagtgatct aatttatctt cttttggctt cttctttaca tttactgtta ttttattatt 180
 attagtagta gcagcaacag agtatgatat gacccaaaag ccattgtaaa gtgccacatt 240
 accaaaatta attaagtaaa ctttatagcc tgtgggagtc tattataata ttattttgca 300
 aaagagaaat atattattgt tcatgagact cttgtgagtg ctagatgtac catactttat 360
 cttattttgag atagaatagc atgatt 386

<210> 531
 <211> 385
 <212> DNA
 <213> Homo sapien

<400> 531
 taccgctgcg agaagacgac agaaaggcag ggtctcactg tgtccccag gctggagtgc 60
 agtggcacaa tgacgactca ctgcagcctc aacctcctgg ggccaagtga tgcctccacc 120
 tcagcctctc aagtggctgg gaccacagaa gtgcaccacc atgcctggct tttttttttt 180
 tgggacaaaa ggggggaacc ttgtatgccc aaaatgggtt tcaacttcgg gaccaaaggg 240
 agaccctctg ggtttgccc cccaaggggt ggaattacag aggaagagga acatggccta 300
 gctgattcca gggtttaaca acaaaaaaaaa cctcccccaa ctgccatttc taatatttta 360
 aaaaaacccg gcccccaaac ttggg 385

<210> 532
 <211> 389
 <212> DNA
 <213> Homo sapien

<400> 532
 ggcacgaggg atttaagaac gttgcctcca agtttttgaa ttgtgaattt ttgatcatat 60
 ttgaacaaaa cccacctac agtctgcatg gtcattgttc tcacaagggt ttgtgtgatg 120
 cactgacaag aacagaggct ttggaggtga ctctggggtt tgaatcacca ttggccacta 180

```

gctaattcta accttaggta agtcagtgtc tctgggtctc aacctcttcc tctgtgaggg 240
gtaggaaata gcacataact tgtagcattg ttataagggc tcgtgataat gtttttaaaa 300
cacctgactc aagcactcag gaaaatgttg tattatgagg accacgtgtc tctgacagga 360
gtgacactag agtctggaga cactacact 389

```

```

<210> 533
<211> 402
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

```

```

<400> 533
ggcacgagat acttctaaat ttaaattgat gtgtatccat atacattagt ctatctaaaa 60
catgttgaat gaaaatggta cattacaaag acatacatag aacatttttg ttgaattcaa 120
aaacctaaaa cattggcata tactatttat gaacacttac acacatgagt aaaaattaaa 180
acatgcctga tatgtctggc acataatagg tgctcaggaa atatttgttg agtgaataaa 240
tgatactgag aatataacct gataatgtag gatagttctt agcctanata tttaaaacat 300
aagaattggg ggtcttaaaa ataatatatta ttttcatatc ttttagatat gggtgaagtgt 360
caccttacca aaggcaaaca ggctctagag attcgaagta gt 402

```

```

<210> 534
<211> 388
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

```

```

<400> 534
cgttgctgtc ggaaaagtca gtttttctag agctagttag gcaggccctc attcctgggt 60
tggtttcaat tgcagagagt tcttgatctt ctgcagggga atttctgact catgggggtg 120
gtccctgact ccttactcct ctctgattga gtgaaccagc atctggggca aatacgtagc 180
agtcagatgc tctgatgaat gtccctgttc agttctttga cttttttgta tcctccttaa 240
ataataatgg ttttaaagat aagcagaagc ctatctatag tactttatag atctcagcag 300
ggattattca tcttacagtt aatacaggaa gaaacatctt tgatacggaa agactagggt 360
gttaattcag caatctctgg ttaggagn 388

```

```

<210> 535
<211> 386
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(386)

```

<223> n = A,T,C or G

<400> 535

tacggctg	cg	agaatac	gac	agaacgg	gac	aaagc	gagaa	tgagcc	ctgt	actct	gtcat	60
gctccaa	aact	gctgccc	cat	ttttag	acca	cagag	caaga	tgaat	gctgt	tgga	aggaat	120
gtgttt	atga	cagagac	agt	tttta	atcca	tcagag	agca	atact	tgca	cttta	aatat	180
ggcatat	gg	gaaaa	agtgt	ccctg	tgatg	agtcag	caaa	gaaa	attatt	tcaccc	ctca	240
catata	cagag	ggctt	gatta	gctc	actgat	tgtag	tttta	ctagt	gtgca	gcacag	actc	300
ttattt	aaat	atagct	tgag	ggaaa	actct	gacat	cagaa	tttgt	gcatg	ataaa	actgtg	360
ttgctc	aaac	ttcag	aggtc	tggtt	n							386

<210> 536

<211> 387

<212> DNA

<213> Homo sapien

<400> 536

ggcacg	aggt	ttatc	gagga	cacaat	gagg	atgcc	aaggc	acagag	aagt	taagga	aactt	60
gtccaaa	atc	acctt	agtga	taact	ggcag	agctt	gaatc	agaatt	caag	taatc	tggcg	120
tcatgt	ccaa	taccac	taac	cattg	cattc	tgctg	cctct	cagaa	ataaa	ccagg	catag	180
agtaaa	attc	atctg	tagtt	caaga	aacaa	tttatt	gaag	cttc	ctttt	ctgtc	aagtt	240
tggaaa	cgg	gagag	aagat	aggaat	cag	actg	agaaga	cgacca	aagt	gttct	gagct	300
gagaga	actg	ggaa	attgaa	ggac	gtagat	tagct	aaggg	aagata	acaag	tacct	gaatc	360
cttcta	aaaaa	ttttt	ttttat	tgagg	tg							387

<210> 537

<211> 397

<212> DNA

<213> Homo sapien

<400> 537

cgttg	ctgtc	gctac	cttgg	ctctt	tattct	acctt	cattt	tttaaa	aatgt	atttatt	ctt	60
cactag	tttt	ctataa	agag	tctata	tatagt	tttata	aatca	agaa	accaa	atccct	caat	120
ttact	gagaa	agaact	tattg	gttagg	agtg	acaag	catgc	ttggg	aggat	atttt	cttag	180
aaaag	aggta	agtgt	tgtaa	aacaaa	acaa	aaagc	gtatt	tctt	cttcta	agattt	caga	240
agaatt	gaaa	gaagaa	aggt	acatg	gctgc	tttat	cttca	cccct	agttt	tatccta	aagt	300
gtgccc	cttc	agtct	ctgcc	tatcact	gag	acagt	ctgg	ggacag	tgag	aagcag	cctc	360
ataatt	accc	tttgg	tattc	tctgt	ttaact	ctcat	ca					397

<210> 538

<211> 397

<212> DNA

<213> Homo sapien

<400> 538

gaattc	ggca	cgagg	agaga	gagag	agaga	gagag	agaga	gagag	agaga	gagag	agaga	60
gagag	agaga	gagag	agaga	gagag	agaga	gagag	agaga	gagag	agaga	gagag	agaga	120
gagag	agaga	gagag	agaga	gagag	agaga	gagag	agaga	gagag	agaga	gagag	agaga	180
ctctct	ctct	cacaca	cacaa	agggg	ggggg	gagac	acccc	gatat	atttt	ttttt	ctc	240
tctct	ctgct	cagt	gcgcc	cccc	ctct	ctct	ctgt	gtata	tatat	atat	ctctgt	300
tctct	ctctc	tctct	ctcac	ccct	ctttt	tttgc	gcccc	cctct	ctctc	gagag	atctc	360

tctctctttt ttccacaccc cccacgcgc tcttttt

397

<210> 539
 <211> 393
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

<400> 539
 ggcacgagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttttt 60
 tttttttttt tttttttttt ttgttttatt cttttttttt tttttttttt tggggccccc 120
 ccccgggcct taaaaaaggg gggggggcgc caccggggg ggggtgtaaaa caaacacaac 180
 acaaacccaa ttaaaaagga aaaaaaaaaa tttctcccc ccccaaaaa aaaaaaaaaa 240
 gggggtgttg ccccccaaaa aacccccctc cccaaaaaaa aggggggggg cttttttttg 300
 tgcaaaaccc tccccccccc caaccaaga ggggcgcccc cccccccca aaaaaaaaaa 360
 agggggcggc tctctttctt tctctaaaaa aag 393

<210> 540
 <211> 398
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 540
 ccatcgattc gtgtccatat aaaattctag cccagaagtt ctcatctggg gtagattttg 60
 gccttcagaa gaccaatttg gtgatgtctg gagacatgtt gggttgtcaa aactgggggtg 120
 gggaaaaggt tgctactgtg caatgcatac ctctcaaca cccccccaca ctgagtaaaag 180
 aattttccaa cccaaaatat cattagtcct gaggttgaga aacctgtcc tagcctaact 240
 gtgtacctct atagctatgt tttatagttt tagaatatta aaacctcaga ttttatgtg 300
 ggtaggtact taaatggcca aaaactttta ctatgaaatg ttactgtgta gtatattgaa 360
 tataggaagt gatgaagatt ataggtattt tattcccn 398

<210> 541
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 541
 ggcacgaggt tagaattgac tggatagtaa caggtggctt ggtggatagc ggggagcatg 60
 gctcagcacc agagcagagg cccagccagc cctctgcagc ccaaactgtc ccaacgggtg 120
 cctggcacca tctctctctg atgagacgaa tctcattttc atttccatta acctggaagc 180
 tttcatgaat attctcttcc tttaaaacat tttaacatta tttaaacaga aaaagatggg 240
 ctctttctgg ttagttggta catgatagca gagatatttt tacttacatt actttgggaa 300

```
<210> 542
<211> 388
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G
```

```
<210> 543
<211> 404
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G
```

```
<210> 544
<211> 404
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G
```



```

<400> 544
ggcacgagga gaactagtct cgagagcagt ttgtttgggt tttagcattt atgaggtgag      60
cccatgaagt tagtggtcca ttacttttta aagatgcatt ttcattttta actgtctcct      120
ggcctgtgga tttgtggaat ggacagtttt gtgggtttta atttatttgt gaggagtcgg      180
ggctgagaag gcattttatc aggaggtctc cttttgcacg tccatgacat gagcttttcg      240
gaggcaaagg aagtagagga gggtgagaga tgcaggtcac tgccagaggc acctctgtga      300
cacggaacat tccagacacg tcgcagcctt gggcttcggc gaggaggaag tctgagcctg      360
tgaagcgaga aggccaggca gtagactggc tctgagggtt tgcn                          404

```

```

<210> 545
<211> 403
<212> DNA
<213> Homo sapien

```

```

<400> 545
ggcacgagag gaattccaaa ccgaagcagg cagggtctgg aacccaaagg acagcatttt      60
ctaccactt cttaatatg acagcttccc cgttctattt aatgtccaaa aatgtttccc      120
aaaatttcaa actctttcac tgtaaagatt tgttaciaaag aatgtgggtt ggggaattac      180
cttattttat attgttgtaa acaaacttca aattctacat gtgcgacttt tctccttcct      240
gaaggggtgt tagtagtcag cgttttcaga attgttttgt tactatactt taacatttta      300
catttcctgt ttgtattatt ttgtgagagc aagggtgatca tgctgcttaa ggtccaagta      360
caacctattt gtaccttttg agacaatatt tgtgttactt ttg                          403

```

```

<210> 546
<211> 401
<212> DNA
<213> Homo sapien

```

```

<400> 546
gattcgaatt cggcacgaga gcggggggcg aggetcgggc gcttctgtag gtactgcggg      60
agggtcggga cgccttaatg tcaggatgcc ctgctcacat atcaatacca ttaaaacctg      120
acttctttcc ctgcactgtt gaagctcctt cttgaggctc acattatgga tataattttg      180
attctttctt cagcgtata gataactact tgtaacctaa gaacaacttg gtgaaagtcc      240
tctaatacat ttttttttaa aaaaacacaa atcaatgagc tcaacttatt aactaacttt      300
catctattca tttttgagcc atccctgtct gattgtgaat ctccatgaat ccaacactct      360
gagcttggga tagtgcctac aaaaaataaa aagaggtgga g                          401

```

```

<210> 547
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (396)
<223> n = A,T,C or G

```

```

<400> 547
tgcacgagag tgtgcggagc tgggcctggc gctggggacg gagtctctgc tgctgctgac      60
ggacacggcg gacgtacact cgaccgtgga ggggtgcatg gacgccgcct ggtccgaccg      120
cggccccggg ggcctcagcg tcctcatcca ggagtctgtg tgggatgaag ccatgagacg      180

```

gctgctagga gcggatgggg cggcttacga gtggcctacg gctgtattgc gccgaggaca	240
tgtgggcccg gagaggctgt ctgtcatgtg tacctgagtc cacgcgctat gagcgtgagg	300
ctcatagcca ggggtgcacag gtgttccacg ctggatgatgt gccttctgaa cgcccattct	360
atcccccaac cttgggtctcc aacctgctcc cagccn	396

<210> 548

<211> 388

<212> DNA

<213> Homo sapien

<400> 548

tttttggaag ggatgggtgta ttaaaccagc caaacagagt ctttggactt atattttata	60
tactacagct attacttggc atgacagcaa gcgctgtggc ggctttgatc ctcatgacgt	120
cctccatcat gtcggctcgtg gggtcctgt acctggccta cattctgtac tttgtgctga	180
aggagtctctg catcatctgc atcgtcacgt acgtgctgaa cttccttctt ctcatatca	240
actacaaacg actagcttac ttgaacgatg cctggaagcg gcagctgcaa cccaagcaag	300
actgacgccg gacagactcc accctaacag tctcaagccc ctttccattc agtttatttt	360
gcagcgagggt tttattatta atattatc	388

<210> 549

<211> 401

<212> DNA

<213> Homo sapien

<400> 549

ggcacgagac tccaaccacc gtctcctggg ttcaagtgat tctcctgtct cagcctccca	60
ggtggctggg attacaggca cccgcaatca tgcccggcta atttttgtat tttagtagag	120
atggggtttc accatgttgg ccaggctgat cttgaactcc tgacctcagg tgatccgcca	180
gcctcggcct cccaaagtgc tgggattaca ggcattgagc accgcgactg gcctctgtgt	240
cttccttctc caatgagtca gtgccccaga catatagcca caggtgagaa gacagaatta	300
gaagcccttc cccggcctgg aatcacctgc actccagatt tttctaattt ccttctttcc	360
ctccaggcct ttcaactata gatctggatg agtcatgcag g	401

<210> 550

<211> 395

<212> DNA

<213> Homo sapien

<400> 550

ggcacgagga tttttttgca tttctttaca ctgagtgtaa aactctacaa agagttatag	60
tattttactac tttgaggttt ccttcacaac ttctggctcc atacctagcc cctcttttat	120
aatcttcctt aaaagaaaga gtgtagccta taaatactaa atatgatacc ttttccttct	180
agaaagtgtt tattttatata tctatacatg ttgtatgtac aaatatccta ctacttttaa	240
tctgattttt cttcaggatt attgagtagg ttgtgaattt tctttcttaa aaattgtaaa	300
acataatggg acccaagttt taaacttaga tgtgcttcat cttagtgaag ttttaattcac	360
aaggaatcat aaattgtgtt tttgaggctg ggcgc	395

<210> 551

<211> 397

<212> DNA

<213> Homo sapien

```
<210> 552
<211> 396
<212> DNA
<213> Homo sapien
```

<400> 552						
ggcacgagga	gagagagaga	gagagagttt	tagttttaga	gagagagaga	gagagnnnna	60
tgagagagag	agagagagag	agagagagag	agagagagag	agagagagag	agagagagag	120
agagagagag	agagagagag	agagagagag	agagagagag	agagagagag	agagagagag	180
agagctctct	ctgagagaaa	cactccctct	ctctgtgtgt	gtgtgtgtat	acattcccta	240
cacatatctc	tttttttttt	ctaggtgtgc	gtgtgcgccc	tctctctctg	tgttttatct	300
ctctccccc	tctgtggggg	ggggagacac	ccccccccc	ctcacacaca	cgcgcctttt	360
tttgtgcaca	cacacatatc	tctccccccc	ccccctc			396

<400> 553						
ggcacgagct	ctccccctct	tttaaagtca	aatgagtaga	aattttcttct	accttcccca	60
gctgtttctt	cccaccttta	gagttgttta	gacaaggagg	agtaagcaag	gaacttggtc	120
tgctttctat	cgtggtcaca	ttggtgatgc	tcaggacctg	ccaggggtcag	aatttatgga	180
tatctgaacc	ctgaccccg	tcattctctc	agtccacttc	caatccacat	cagtttggtg	240
tctgccttgg	agagaagagc	caaaactggg	gtgggcgggt	gggtggggag	tgcaggatat	300
aaatgtgtaa	gtttttgttt	tttaagggtt	ttttcttagt	gaattattca	cccacagaca	360
tgagagaaaa	aaagaggggg	ggtgtgtgga	gaaaaaatgt			400

<400> 554
ggcacgagag aaaatcaagt ttgaccagtg cagtttctaa gcatgtagcc agttaaggaa 60
agaaaagaaag agaaaaaaaa aaggcctgga tactgctttt gctgtctctg ttatgagatg 120

```

gaaaacttac atgtttgtga taaaagggga ccatgagaat gaattggctt ggcttacttt 180
ccccctgaaa tcctctctcc tgcagactgt cttgaaaacc tggtgactgg taaataaagc 240
cctgcatgga ggctgcacag caggggcaag aggccatcc cccagcatct cactgaggac 300
agcttcaggc tgccttctc tgaacgtggt ccacaccttc ctctctcca cagagagggg 360
gccgccagaa tccctgtgctg ctttctgtgt ctgcaatgg 399

```

```

<210> 555
<211> 390
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

```

```

<400> 555
tcggcacgag gctgtatctc taggtctcta taaaccttaa taaatatata gttcatagaa 60
aaccttattg gaatgtccct tatattcaat taaaagataa attaaaacct cagtcaagat 120
agcagcttct aaggcatcaa aaacacttat taagttctat actctttggn tattttcata 180
atcccaattc taaaaaaaaat aaatggattc agcacattaa aatccgacat tttggatggg 240
aattgccggt acagtactat taaggtgatg aaaaatggct agccttacat ataaactctg 300
cctattaacc taattttgga ttattatacc atttaagaaa cctaaccttt agaaaaggat 360
taatggctcc tatatacctt accttccaaa 390

```

```

<210> 556
<211> 403
<212> DNA
<213> Homo sapien

```

```

<400> 556
cccatcgatt cgaattcggc acgaggtttt ctctgtgtggt attcaagact tcttttcttc 60
tcctggactt caggctgttt ttgtacaaga gcgcatactc atttctttct ctctttttca 120
aatgtgacta aatcacactt cccagggaca ccaagctggt tctgattgca actgtaacag 180
cctgtgtacc agctgggatt tttgtattaa gcagctctat ggggctacta taccagcaga 240
aaattagaag tcttgctcta aaaagcattt tcagcaaata cttgggttgg tcttacaagt 300
tttactggcc tcatttgtca gctaattgat caaaagtgat tgggactgcc tcgagctttt 360
ttcaagtatg gtcttagatg tgagtcagag aatattatct att 403

```

```

<210> 557
<211> 392
<212> DNA
<213> Homo sapien

```

```

<400> 557
tcgattcgaa ttcggcacga ggctcatcct gcacgcctcg gtgtctgggc tgaagcagac 60
actgctggcg gagtccgagg ctctgaccag ctacagccac cgggtgttct cggcctggga 120
cttcgggtctc tgcgggacgt ccacgtgcgg ctgcgccagc gcacatctt gtacgaatta 180
aaggtggagc tggaggagac agtgggtgcg cgccaggctg cgggtgcggac gctggggccag 240
caagccaggg tttggttggt gcgggtgctg ctcaacctgc tggtggtcgc gctcctgggg 300
gcagccttct atggcgtcta ctgggctacg ggggtgcaccg tggagctgca ggagatgccc 360

```

cttgtccagg agttgccact gctgaagctt gg

392

<210> 558
 <211> 392
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

<400> 558
 cgaattcggc acgaggetca tcttgcacgc ctccggtgtct gggctgaagc agacactgct 60
 ggcggagtc gaggtcttga ccagctacag ccaccgggtg ttctcggcct gggacttcgg 120
 tctctgcggg acgtccacgt gcggctgcgc cagcgcacatca tcttgtacga attaaagggtg 180
 gagctggagg agacagtggg gcggcgccag gctgcgggtgc ggacgctggg ccagcaagcc 240
 agggtttggg tgggtgcgggt gctgctcaac ctgctgggtg tgcgctcct gggggcagcc 300
 ttctatggcg tctactgggc tacgngtgc accgtggagc tgcaggagat gccccttgtc 360
 caggagttgc cactgctgaa gcttgggggtg aa 392

<210> 559
 <211> 388
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(388)
 <223> n = A,T,C or G

<400> 559
 ccgagaattt atacaggact gaaaaccgcc tgaaacctgc tgcaactatt gttattaact 60
 ctgtatagct ccaaacctgg aacctcctga tcagtttgaa ggacattgat aaactgtgat 120
 tttacaataa cattatcatc tgcagttact gtttacaaga ctgcttttac cttaaacttt 180
 gtagatgttt acatcttttt gttgtgtttt aagatgatgt tggtaatttg tgccctttagc 240
 tctgttttat tagacagagt taaagcatgt tgtcttcttt gggttacact cagggggctg 300
 aaaggcaagt tgatttttat ttttaacaca cttgaaaaaa ggntggaaga gcccgaactt 360
 catatataac ttgggggata tcaacctg 388

<210> 560
 <211> 393
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

<400> 560

ttcgggcacga	gcagaagttg	tcctattaac	tttttttttg	gtctgaggtt	atgtacttct	60
tgggagaaaa	agtggttctt	ccatcaatat	caaacccttc	cttcatttct	ctagttgaac	120
tgggtgcacga	gtcctcctca	ctccaagcat	gttggccctc	ccttcctcga	gtagaaatac	180
ggctttccac	ctttttatca	gaactcctat	tcattgcttct	caaacagggc	ctaggatagc	240
agaggctcag	cagccagagg	gaaacagggg	ggaagctgtt	tctccatccc	cagagatgta	300
agctgggcga	gagtgtcagg	gcctggccat	accactgnac	ctcagaaaaat	gagcctgggg	360
gacagtacta	aggggtgtgg	ggggcaggtg	tn			393

<210> 561
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 561						
cgttgctgtc	gcaaaaaatta	tacaaaaagt	aaatttgagg	ttttataata	tagaagcaaa	60
caaacgtatg	cacttaaatt	ggagagcaac	aaagaacagc	agaacataag	aaattttcct	120
tgtggtaact	ttccatcatg	aagaaaagtt	caattatgat	cagtatacac	tgcttaagaa	180
ggcacaaaatg	tggaaagact	ttcttgTTTT	tgtaattcaa	gaggtacttt	ccaaaaatct	240
tagaacacat	gatttttttaa	ataattatga	tcagtataca	ctgtttaaca	agataaaaaat	300
gtagaaaagac	tttaattttt	taattcaaga	ggtagtttcc	aaaaaatctt	ggaacacttg	360
attatttttta	acaattaatt	cctaagaatt	agaggtctta	ct		402

<210> 562
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 562						
cgttgctgtc	ggtgggagag	aagtattcac	attctcaggc	tccaggcctg	tgcaaccaga	60
ggagtggaaat	tgtcattgaa	gggaggcggg	aggaggggtg	atgggtgttag	aagagataat	120
atgcatgtgg	ccacccccac	aaaccttttag	gaatgcagtg	cataattagg	actaaaggca	180
ctgatttgga	tgtgggtggg	gataggtggg	ctgtgggagt	aaatgagatg	aatgagacac	240
tagaagtagg	ttggaaatag	aatcctgggg	acaagaatca	gtggagaaaag	aggtgactgt	300
gaaggaaatca	ggatgcaaga	agagtcagta	aagtttagcc	ttcaagaagt	caacagaagg	360
gggagaattt	gaattctgtt	ttcaacctgt	tttggttgga	gg		402

<210> 563
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 563						
aattcggcac	gagattgact	gcagaattaa	atccaaatgt	ccaaataagg	catattatga	60
tttagcatca	ttccaccttt	agcactgtct	ttcactacct	ttatgcatgt	cttgttttat	120
ctaaagcaga	aatgcctttt	ctaagccctt	tctgtccttc	agaataccct	ttctttactc	180
atgttttttt	ctctaaattt	tacctatctc	cttaagtgtc	cattcagaat	ctattcttta	240
ccacaaaacc	ctcaccaaga	acacattata	ccttcttatg	tcttacagca	ctttacacat	300
ttttgtcttg	catcatagtt	ctttgcatat	cattttttac	aaaattatga	attcctcaat	360
attaacaatt	gtcttggtta	cttatttg				387

<210> 564

<211> 388
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(388)
 <223> n = A,T,C or G

<400> 564

ggcagcagct	gaaagtatgt	ctggcaaaac	ctagaactgc	atcctagcca	tcactgtacc	60
ttctgccctc	cctgctgtct	cctctgccag	ttacagttaa	aaggttgtgg	gtgaggacgc	120
tgggcagagt	cccaggcgct	tgctgtcagc	tccccagccc	ggcctgcctg	ccgagccatc	180
tgggcgtccc	acggtggaga	gtgtggtgct	tgtgacgcgg	tgggtgctggg	agccatcctg	240
gtggcagatg	tgggctctca	ctgcaagtca	gtgtaagtcc	ccagggactg	tcagcagcac	300
gtcctgctgc	ccctctctct	gcagaagccc	tggtaacctg	cgtttggaag	aatctctaag	360
gatttctgag	gagctgtcag	gccatgtn				388

<210> 565
 <211> 399
 <212> DNA
 <213> Homo sapien

<400> 565

cgattcgaat	tcggcacgag	gcggggcaca	gtggctcagt	cctgtaatcc	cagcaccttg	60
ggaaggccaa	ggtgggaaga	tcacttgagg	ctaggagttt	gagacaagcc	tggccaacat	120
agcaagaccc	catctctaca	aaaataaaaa	ttttaaaaag	ggctggggca	tttgagctgg	180
gtccaacag	tagacaagta	gaaaaggcat	ggagagggca	taccaggtgg	gaggagctgt	240
gtgcaaaggc	ctggagatgg	aaaagcatgc	tggccaccag	cttctgacaa	gcagtttagt	300
atgaacggtg	tgcattggaa	gaggggaagg	gggcagaggg	gtgcgcacga	gcacccgtta	360
gtgtccttaa	atgaccagca	tgggaacctg	gtctcttttc			399

<210> 566
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 566

ggcacgagga	actagtctcg	agagcagttt	ttccacctcg	gcctcccaag	gtgctgggat	60
tacaggcatg	agccaccacg	tccgtgcccc	aatatgtatt	taattttaa	ttcattttta	120
tgtgttttaag	ggatgaaagt	aaatacatgc	ttgtttacaag	ccattcaaat	gtagaagtag	180
gaagggtggc	gcccggcctc	ccctctcctg	ggaggatctg	tgggtgagcaa	gtcggatgtg	240
catccttctg	gtcttttttc	tattaacgac	tctttgctgg	atttgctgtt	actaggcttt	300
cgcagcaaac	gtgggattgt	tgtggaaaat	gctttgctgg	gagaagggga	gccggagatt	360
cacaaaagga	ggctcccgtg	ttcatttgcg	tatttggcag	ct		402

<210> 567
 <211> 395
 <212> DNA
 <213> Homo sapien

<400> 567

```

ggcacgaggt tacacctctc gcatactggt gtccacagag cagccatctt agctggaggt      60
gtcagagtgc tccccacccc cccaccatgt gcttgagtgc acacccggcg ccaggccctg      120
atcctggcac ttcttgtgaa tcacaccgtg tcatacccat gacttccatt gcacagtggg      180
gaaactgagt ctagagaggt gaaataacat gtctaaagtc acaggaagtg aaaaagctga      240
ggacatggag ccagttgccc aatgacagga gagctgaaat gtctcactg ctgggggtag      300
accgggcctc accagcttcc tggagagtca catgtttgtc tgcacctca gggggctcgc      360
cggttctcca gcccggactg ctgccagagg ctctc

```

<210> 568

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (399)

<223> n = A,T,C or G

<400> 568

```

cgaggaaaac tgatagattt ggcatatacg cctttccatg ctgttctcaa gtgtggccac      60
ctaactgctg atgtacaagt ctccccagg ccagaacctt ttgttgtaga tgaagaaatt      120
gacccatccc cttaaagtcac taacacagat ttggaaatag tgggatttat tgatatagct      180
gatatttcaa gtccccagat tctgtccaga catctggtct tacctatagc acttaacaaa      240
gaagtgatg aggtgggtac tggcatcact gatgacaatg aagatgagaa ttcagccaat      300
cagattgcag gcaaaaatacc caacttttgt gtctgtctcc atggtagcct anaagtggaa      360
ggaatggtag cgattgttca attaggtcct gaatggcag

```

<210> 569

<211> 389

<212> DNA

<213> Homo sapien

<400> 569

```

ttcgaattcg gcacgagagc aactagggcc ctcatcactt cgccgccgaa tccccggcgc      60
cgcccagcgg ggcagagcca ggccagggcc gcccgcccaa cctggtccgc tgccctcttcg      120
gccatggaag ctgccggcag ccctgcggct acggagacag cttctccact cttcctcctc      180
ctccacctcc gcccatgaaa tgggtgactc tccctttaag actaagatgg tggcttgcta      240
cgatcgggac tccacttccg gtggggaggg gggcgggacc ccagcccgc cagcccgaa      300
gtggttttgcg ttttcaagat ggcgactccc tatgttactg acgagaccgg cggggtggga      360
accgccaaac ctctcccttc tttttgacc

```

<210> 570

<211> 402

<212> DNA

<213> Homo sapien

<400> 570

```

ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga      60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga      120
gagagagaga gagagagaga gcccgcgcgc agaaaccccc ccgtgtgtgc acacacacac      180

```



```

actctctctc gtgtgtgagg ggggggtgtg tgttttctct ccactctctc tgtgcgtctt 240
ctctttttgc gcgctcatat atctctctct ctcttttttt tgtgtgtgtg tgcgctcgcc 300
ccacacacac acagtggggg ggggggtgtg tctctcttct atatacacac actctctctt 360
ctctcttgtg cgccccaca gagagatgtg tgtcttctct ct 402

```

```

<210> 571
<211> 401
<212> DNA
<213> Homo sapien

```

```

<400> 571
gaattcggca cgaggcggct tggagtgggt cagcagttgg tggagaaggg cgccaaccct 60
gagcacctca gcgtgctgga gaagaccgcc ttcgaggttg cactggactg caagcacagg 120
gaccttgtag actacctgga cccgctgacc accgtcaggc ccaaaacagg tcaggctgca 180
tgccccccgt ggcttcacag aggaccccaa attgtgttta tgtggcttaa gctgaggatt 240
gctctactgg aaggacacgc agaactcaga gtccagccct gcagaccact gagactgagg 300
aagtgggtgt ctttaagtatc ggggggattg cctgagacat gacagttctg ggccactct 360
tttgagagcg atttggttgc cctgggcaag agcctggaaa c 401

```

```

<210> 572
<211> 401
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

```

```

<400> 572
cccategatt cgaattccgt tnnntcgat ttcccatgt catcaagtag tgactgaaag 60
catacttttc gaatgattgc ccaataatcc gttgagctgc tgtgtcaaaa tttgctcaac 120
agatectcat tgctggatat tcaggctgtc tctaactctg agtggctgta aaccatgaac 180
atcctggagt gtaaactctt gtgctgatct ctgatccttt ccttagatat aggcataatg 240
gtacaacgaa taggtcaaag ggaatgcacc tttttaacaa ggggatttta atgacaaatt 300
taagtgttcc taaataccta tcagtgcagc atctgattac tgggatttat tgaaaattat 360
ttttttaaag atcagagagg ccaagtgtgg tggttcatgc c 401

```

```

<210> 573
<211> 393
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

```

```

<400> 573
ggcacgagga gtcactgacc ttcactcttc accctgggtc tccatgggtg agcagcantt 60
catgggcctt gtggctgtca gagcccgtgg ttggaacccc gtccactggt cccaaacctg 120

```

```

gagggggcagc tgcagatgag gtttagacct cctgggtgtct ccgtggattc tgagtgccca 180
ggagggggagg ggaggggggtg gcatcctggc ctctaggata aatgcctgga gtatagggca 240
gcgccacggg cacttggaaga ccctgtcctg cgcctctgcc aagcctggca gtttttagag 300
ttttttgaaa tgttttgata ctttttgata caatttgcta ataactgttt tgtagaatgc 360
ctgccgggggt tttccacctc atccctttcc tcc 393

```

```

<210> 574
<211> 397
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

```

```

<400> 574
gcacgaggct gcccgagct gcctgggttg cgctgccggc cacgtccccg cgccgggcct 60
caggctcctt cctactgtcc gagggccacc aggcgcgcgg gggcctgctg cgcccggatg 120
cgtctgttac tagagtggag agtctacctt cgtctcacat gtgccacaaa ggatggcatg 180
gccggggagt gcccaccac gtggctttca cccctgcaa agccagactt cgccagcga 240
cacagtgtca agccacagc tctccaagga ggaagatggg ccaggctggg agcatcccct 300
tagcagcagc ctctgatccc ttggccaagc aggaggggaa cattagcagc ctgaggagct 360
ggctggctgg gagcctcggn gaccgcccag ccttgct 397

```

```

<210> 575
<211> 397
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

```

```

<400> 575
cccatcgatt cgaattcggc acgaggctta gggaacagga gtgaacagac ttcagcccca 60
cctggcaggg gctggctccc gaggttgggc ccagtccctg agggctctgct ctgctacggg 120
tctgcccttg agtggccttc cgtggagggt gtgtgaccag gtggatggtg cagggcctct 180
ggagccctct cctcaggagc agtcctcagc ctttttctgt aaaagacttt tctttggtgt 240
tctaggtggg cagcagggtc caggctgggt tttacaatct cggagggaagt gcgatggttt 300
ctgttctttt gacagttcag tctgatttca agtcagtcga aagcgaacca gaagcaccgg 360
gcacagcagc tcctctgggt gtgtagacag acctggn 397

```

```

<210> 576
<211> 394
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<222> (1)...(394)

<223> n = A,T,C or G

<400> 576

```
ggcacgaggg tagggctgtg ctgcgcggtc cttcccatc accctagtct ggcgctcgcc 60
ggcgtgggcg ggccggacct tcgccgttc caggaaggcg cacaacggcc gtcggaccac 120
ggcgcggcgg ccagttcctt tatagttttg ttcagaaaaa catatggaga cgtttatacc 180
cattgatttg acaactgaaa atcaagagat ggacaaggag gaaaccaaga caaaaccaag 240
acttttaaga tatgaagaga aaaaatatga agatgtgaaa ccattagagt ctcaaccagc 300
tgaaatagca gaaaaggaaa cattggaata taaaacaagt agaacaatct ctggatcttt 360
tgaagcngag gaaaccggag gattacctta gaga 394
```

<210> 577

<211> 386

<212> DNA

<213> Homo sapien

<400> 577

```
ggcacgaggg gaagtgccag gaagaggagg gtggccatgc ctggccattt cctgatacct 60
gtgctagtga cgcccgcggt gtgtccactg gaaagaaaca ctggcgtgca cggctgtgac 120
tgtggtttca gcagttctga gacaagagcc ttccaagtcg ggggctgggg agcagagtgc 180
gggagctcct gagtcctggg ggccctcccg cctcacagca tgggcacatg tgggacagaa 240
ggcctaattg ggtgcctgag ggtggcctgg ttgctgtccc cccagggtgg gaccatgagc 300
gagtaggggt ggcacacggg ctcagctctc tgtggccggg gtggctctc ttgctgggact 360
caacgtcagc cccaaggcga tgttca 386
```

<210> 578

<211> 386

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(386)

<223> n = A,T,C or G

<400> 578

```
ggcacgaggg ctcttggaat tgaagatgag ctccacctgg caccgcagcn nnttggctgt 60
ccccctcac tgagggggcc ccccgaccc gggaggagac gcgggacttg gtccacgctc 120
cgttaccctt gacctggaat cgctcgagcc tgtgtggtga ggagcagggg tccccgagg 180
aactgaggca gcgggaggcg gctgagcccc tgggtggggcg ggtgcttct gtgggtgagg 240
caggcctgcc ctggaacttt gggcctttgt ccaagccccg gcgggaactg cgacgagcca 300
gcccggggat gattgatgtc cggaaaaacc ccctgtaagc cctcggggca gacctgctt 360
tggagggaga ctccgagcct gctgaa 386
```

<210> 579

<211> 386

<212> DNA

<213> Homo sapien

<400> 579

```
<210> 580
<211> 399
<212> DNA
<213> Homo sapien
```

<400>	580						
gaatt	cggcacgagc	tcacaccaca	gctgagaggg	aaaggaaggt	tggaatggcg		60
ccaag	cgcgccccca	cctctcctgt	ggtactgggg	tccctaaagc	cgacccccgc		120
cgggg	ctcgccggcc	cccaagtcgc	cagccgctta	cctcacaatc	ccgcttggac		180
ggctc	tccagctggc	ccccctgtac	cctctttata	acttcctccc	caccggcctc		240
gcttc	cctacccttc	caccccgcaa	gctctcattg	gctctgagcg	cgaccccgcc		300
ggggg	gtggaggtat	ccactgcacg	tgcgcgcgcc	gggcttcgct	cagaccttca		360
aaagt	gcaaagtgcg	gggtgcgtat	gtacggngg				399

<400>	581						
gaggc	agcctgtcgt	acggtccttc	tgtgggtctg	tcggtgccga	gggcaggatg		60
gctgc	ggctcctggg	cctccgctac	caggagtacg	tgactcgtca	cccggccgcc		120
ccagc	tggagacagc	agtgcggggc	ttcagttacc	tgctggcagg	tcgattcgcc		180
gcacg	agctgtcaga	gctgggtgtac	tctgcctcta	acctgcttgt	gctgctcaat		240
gatcc	tacggaagga	gcttcggaaa	aagttgcctg	tgctcgctgtc	ccagcagaag		300
gacat	ggctgagcgt	gctggagtg	gtggaggtgt	tcatggagat	gggagctgcc		360
gtggg	gtgaagtggg	ccgctggctt	gtca				394

```
<220>  
<221> misc_feature  
<222> (1)...(390)  
<223> n = A,T,C or G
```

<400> 582

```

ggcacgagga ggatgtggac gctgcgaggc ccgctcaccc gctccctgta cgtgaacatg      60
actagcggcc cggttggggc ggcggcgggc gcgggcggca ggaaggagaa ccaccagtgg      120
tatgtgtgca acagagagaa attatgcgaa tcactccagg ctgtctttgt tcagagttac      180
cttgatcaag gaacacagat cttcttaaac aacagcattg agaaatcggg ctggctatct      240
atccaattat atcattcttt tgtgtcatct gtttttagcc tgtttatgtc tagaacatct      300
atcaatgggt tgctaggaag aggctcaatg tttgtgtttt caccagatca gtttcagaga      360
ctgcttataa ttaatccaga ctggaaaacn      390

```

<210> 583

<211> 391

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(391)

<223> n = A,T,C or G

<400> 583

```

ggcacgagaa aacgatatgg aaatgtaatt taaatggggt ccaggtctta nnaaaagcgc      60
agaagagatg gtcaaaaaca aattggaatg gaaaggataa actgaccctt tgggaacaat      120
ttttagagaa gaagaaagag aaaaaaagac tgaaaaggaa acagaaggct cttgctgaag      180
aggccaatga agaggaactt ccctctgatg ttgatttgaa tgaccatac tttgctgaag      240
aagttaaaca aataggtgta aataaaaaat cggtgaaatc tgcaaaagat ggcacatctc      300
cagaagaaga tattgaaata gatagacaaa aggctgaaat ggctttgctt atgatggatg      360
aggacgagga cagtaagaaa cacttcaatt a      391

```

<210> 584

<211> 396

<212> DNA

<213> Homo sapien

<400> 584

```

ggcacgagca gtactagagt cttcggtctc gctcacgcgc cttgggcata agagtcctct      60
cgttggtccc ggaggtgggg ttgcgctcac aaggggcgac cgtcgccacg gtggcgggca      120
ctgcacgcgc tcccacctcc gcggccctgg gcgccgtggt gtcgacgggc cccgagccta      180
tgacggggca gggccagtgc gcgtccgggt cgtcggcgtg gagcacggta ttccgccacg      240
tccggtatga gaacctgata gcgggcgtga gcggcggcgt cttatccaac cttgcgctgc      300
atccgctcga cctcgtgaag atccgcttcg ccgtgagtga tggattggaa ctgagaccga      360
aatataatgg aattttacat tgcttgacta ccattg      396

```

<210> 585

<211> 385

<212> DNA

<213> Homo sapien

<400> 585

```

ggcacgaggg aacaacctgg gcaggatccc acctcagacg acgtcatgga ctcgttcctg      60
gaaaagtccc agagccagcc ttaccgtggc ggctttcatg aggaccagtg ggagaaggcc      120
aagacctata aagatgaggg caatgattac tttaaagaaa aagactacaa gaaagctgta      180

```

```
<210> 586
<211> 398
<212> DNA
<213> Homo sapien
```

```
<210> 587
<211> 389
<212> DNA
<213> Homo sapien
```

```
<210> 588
<211> 397
<212> DNA
<213> Homo sapien
```

```
<210> 589
<211> 381
<212> DNA
<213> Homo sapien
```

<400> 589

ggcacgagga	catgaagaag	acgttcacgg	agcaacggct	cagaaatgga	agctcaattc	60
taactcagga	ttctcatgat	gataacagct	tggtgaccaa	ggaagagaaa	tggtgacta	120
gtatgaatga	gattgactgg	ctccacgtta	aaaatttatg	ccagctagaa	tctgaagaga	180
agcaagttaa	aatatcagca	actgttaaca	caatgggtgtt	tgatattcga	attaaagcca	240
taaaggaatt	aaaattaatg	aaggaactag	ctgacaacag	ctgtttgaga	cctattgata	300
gaaatgggaa	gcttctttgt	ccagtgccgg	acagctatac	tttgaaggaa	gcagaattga	360
agatgggaag	ttcattggga	g				381

<210> 590

<211> 374

<212> DNA

<213> Homo sapien

<400> 590

ccatcgattc	gaattcggca	cgaggatgatg	atcgcatgtg	tttacaatac	acagagacgc	60
ccagtgtctg	caagactata	ataaagcgag	cgtactcaca	ccactgcggc	tgccaccaa	120
aaccgggatt	gcagtggaaa	tggttttggg	aagcagtttg	gcaactgtca	acaaagcgac	180
tacagaacag	ttgtcaatga	gacacagaaa	tacgaaggag	aggagggagg	gcagaaaccc	240
agttaacaat	gtaagcgggc	acggagggaa	gatcagcgtg	caaagctagg	tcggcaagac	300
gtgcaaagtg	cacccacagc	cataacaatc	cctccccaga	ccccaacgtg	tcttcacggg	360
ggtggcagtg	gccc					374

<210> 591

<211> 378

<212> DNA

<213> Homo sapien

<400> 591

ggcacgaggc	gtgtggagct	gaagatggat	ctgcctgggg	tttccattgc	agacgagggg	60
gagactggca	tggtcttctt	gtgcaccatc	cggggtcacc	agttattaga	ggaagtaaca	120
caaggggata	tgagtgcagc	agacacattt	ctgtccgatc	tgccaaggga	tgatatctat	180
gtgtcagatg	ttgaggacga	cggtgatgac	acatctcttg	atagtacct	ggatccagag	240
gagctggcag	gagtcagggg	acatcagggg	ctaagggacc	aaaagcgtat	gcgacttact	300
gaagtgcaag	atgataaaga	ggaggaggag	gaggagaatc	cactgctggt	accactggag	360
gaaaaggcag	tactgcag					378

<210> 592

<211> 378

<212> DNA

<213> Homo sapien

<400> 592

aattcggcac	gagcagcagc	catggccacc	tgcatgccag	tcttcgtgt	attgctgcgt	60
atgagcgccc	ttccttgat	gtggatttcc	atgacatggc	ctttctcacc	tctcttactt	120
cctgtcctgc	tatgtattgt	gtcctacat	gaattcactc	catgctagcc	acattggcct	180
gtatggctat	tctttggaca	cacctaggat	gttcttgctt	cttagcttgc	ctacctttct	240
ctcatcattt	gggcctcagc	gaggatatca	tctcctcaga	gaagccttct	gtgaccatgc	300
tatctaaaat	actccagcac	ttcagtcacc	ctttatacca	ttactctgct	tttttagaaa	360
cattgggtgct	ccctgaaa					378

<210> 593
 <211> 374
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(374)
 <223> n = A,T,C or G

<400> 593
 cgttgctgtc gaagagttca ctggtgggta ttttttggtt tgtgtgtgtg tgtgtgtgtg 60
 tgcgtgtgtg tctgtgtgtg gggctcttct gtttgtcaat aggccttccc aattaattga 120
 attctacata agatacatag atgttagtgc cccatagggc ctcactttgt aagtgatgtt 180
 agtggagtaa atggtgatat accattttca gtaagaagcc tgagtcagtg tagaaagtaa 240
 aagttgggtc tctgggcttg aggcaaatat tctgccttca ctacatatga agtcctgtga 300
 ggatgggcca gagaatcata caagaaacat tgttttcatt ntttccacca tctctcccac 360
 cagtccttct tgtt 374

<210> 594
 <211> 368
 <212> DNA
 <213> Homo sapien

<400> 594
 tggattcgaa ttcgcacgag attcccttta tattgtaaag gccataagga cactttaagt 60
 aatcaaattt ggcataacca ttggaacaaa catgtgcctc ttcttttgat gtgatagaaa 120
 ggaccatcac ctttataagta tttgtgccaa aaacatttaa tttgaacata ataagaaaac 180
 atttagacaa attcagatgt gcggaacaat gtgcaaaaca gctgtcctga atgcttcaaa 240
 tataacaata ttatgaaatg ttttatataa taggccagag acatgccaac taaatacaat 300
 gagcgaccca ctagtaacaa cttataaaat attcaggccc ttgttttagac agatgggaga 360
 catctgag 368

<210> 595
 <211> 374
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(374)
 <223> n = A,T,C or G

<400> 595
 ggcacgaggt gaagagtggc agaacttaaa aatgggtcca caaagccaaa tgagagcccc 60
 cttccccaat tcatacagtc tgctttcttc ttgtgagtca gggaaataga tctggctaag 120
 gaaggatgaa gtcttaagct ggggttgga agggggactt gggaggagag tagtgagttg 180
 agctttggac aggttgctt gggactcggg gctttacagc tattggggcc tataatggat 240
 gttgaatgag gaagtgatag tccaaagggg gtattttctg tgtaccatcc tactgagatt 300
 tgaatgcaca agaaacaaga tttggcttct aagatccatg tgcttgagat agataacgga 360

tttttgaggc tctn

374

<210> 596
<211> 378
<212> DNA
<213> Homo sapien

<400> 596
cggttgctgtc ggtggcgggc acctgtagtc ccaactactc aagagggtga gacaggagaa 60
ctgcttgagc ccggaaggca gaggttgagc tgagccgaaa tcacgccatt aactccagc 120
ctgggtgacg agcgaactc cgtctcccaa aaccaaaaaa aagaagagaa aaactctgag 180
ggatcccttg tcctggaagt ggctgaactt ggggggtgta caggggagac aactgatggg 240
cctaaccggg tcctgtgcaca agggccggtt gtcactgagc tgggctgttg gaaatttttt 300
gctgctcgct ggccacggtc tgtgaatggg aaacacactg aggccgcgta tttttgggct 360
taggcttcct ggggggaga 378

<210> 597
<211> 382
<212> DNA
<213> Homo sapien

<400> 597
ggcacgaggt cccttgcttt cccttgaagc gggagaagac ccggcagagg cgctctgtcc 60
gctgcagccg cgcgggtgga ggaggcagag tctgaggtgt gaccccgacc aagtttgacg 120
cttctgtcct cctagggagc aagctcggct gaaggccac gtcgtagacc gggacaccga 180
ggcgtggcag cgagaccccg ccttctcggg tctgcagagg gtcgggggcg ttgacgtgtc 240
cttcgtgaaa ggggacagtg tccgcgcttg tgcctccctg gtggtgctca gcttccctga 300
gctcgaggta acctgggagg acgccagact cgaggcgggc ccctcgggtg gctcgggcgt 360
gcggtctccg ggacagggag ca 382

<210> 598
<211> 381
<212> DNA
<213> Homo sapien

<400> 598
ttcgaattcg gcacgagatg tcctcagggc tgccctgtggc caccctgatg ggagacctct 60
gtttgcttct gggccactgc aggttggcct cctcaataca agctgatgtc tgcaggagc 120
gccgcgtgct gggattgcac cacgtgttg tgacaaatcg aggtcgctt ttggcctggg 180
ctgctcaggc tggccctgac ccacgtggtt tcctggcttc tgagacgcag cgcattcttc 240
ctgttagcgg tagcgttctc tgtctcaaaa ataataatca aatcaagtat ttttaagttg 300
gctctttttt tcaagaaagg cttttcggat acctaaaata ctttcattga tgtggcttga 360
attttgtttc agaaaagggg g 381

<210> 599
<211> 378
<212> DNA
<213> Homo sapien

<400> 599
cgttgctgtc ggccagagct taaggctgta cataataatc tgtttcttcc aggagccact 60

```

tcccccaaga aactccaaag gtattatttc attagcaggg tgccaggtgg ttttggccag 120
ggcctctgca actcttttct ctgtgaccat ttccatttc ggctcatata aatcaacctt 180
tactacaaag ctataaagta aaataatgta attagtgcag ccaactgcag ctgttctcaa 240
actcaatgtc acagccatta cacatgtgaa atatttacag gggttttaat caattttctt 300
tcctgacacc cgtttttcat taaaaattac aaaaataata aatgcacatg gtagtagata 360
cagaagaaca caaggaat 378

```

```

<210> 600
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

```

```

<400> 600
ggcacgagat tgaacaccag tatacaataa ctttagggtc atatggatca ttggtttcac 60
gattacagta ggtctgggtgc atggcactcc cagatctagt agaggctctg atgtcagtag 120
caggatggag gagagctggg cttacagcct ctcaacttgt tggcccttat accatcactg 180
cactcatgtc cttgctctgt gcagaagtag aatcagaaaa gcacaggca ccttcatggg 240
ataaattgtg tctatgggtg cagtgaataa gcaaaaatca gaagcagacc ggagggactt 300
ataaaaatag gtacaggggc acaatgggtg cctatatgta gcctgtgaca gataagaagc 360
tgacagttag acaaacaaaa aan 383

```

```

<210> 601
<211> 382
<212> DNA
<213> Homo sapien

```

```

<400> 601
ggcacgagca gaagttgtcc tattaacttt ttttttggtc tgagggttatg tacttcttgg 60
gagaaaaagt ggttcttcca tcaatatcaa accttccctt catttctcta gttgaactgg 120
ggcacgagtc ctctcactc caagcatgtt ggccctccct tcctcgagta gaaatacggc 180
tttccacctt tttatcagaa ctctatttca tgcttctcaa acagggccta ggatagcaga 240
ggctcagcag ccagagggaa acagggagga agctgtttct ccatccccag agatgtaagc 300
tgggcgagag tgtcagggcc tggccatacc actgacctca ggaaaatgag cctggggggac 360
agtactaagg gtgtgggggg tc 382

```

```

<210> 602
<211> 382
<212> DNA
<213> Homo sapien

```

```

<400> 602
ggcacgaggc ggggcacagt ggctcagtc tgtaatccca gcaccttggg aaggccaagg 60
tgggaagatc acttgaggct aggagtttga gacaagcctg gccaacatag caagaccca 120
tctctacaaa aataaaaatt ttaaaaaggg ctggggcatt tgagctgggt cccaacagta 180
gacaagtaga aaaggcatgg agagggcata ccaggtggga ggagctgtgt gcaaaggcct 240
ggagatggaa aagcatgctg gccaccagct tctgacaagc agtttagtat gaacggtatg 300

```

cagggaaaag agggaaggag ggcagagggg tgcgcacgaa gcacccgtag tgtcttaaatt 360
gacagcatgg gaacctgtct ct 382

<210> 603
<211> 378
<212> DNA
<213> Homo sapien

<400> 603
ggcagagct ggggtctagg aactcggctt ctggcacctc tgaattctcc gagactgtct 60
cctccctccc cgctgtaat gaacctgtg aaggagaca ggccaggaag tcccagaaat 120
atttattctt gtgactctca caaatggaa aagggtctca atttttgttt ctttaaagaa 180
cttggtgtct gcgctctgtg ctacactgcc tcctctcacc aaccaaattg tctagcccc 240
ctccagttac gctagaactc tgctttatct tcaaggaaga aaggagtggt ggagaagtta 300
cctctaaacc ctccagcatg gccatcaatt ttctgaataa tttggaggtc aacatgcttt 360
cggaaaagtg tttggaaa 378

<210> 604
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 604
ggcagaggt ggacccccctt gngatcagcc gaggtctgta gaggtgacat tgcagcccag 60
cacctccctc ctccgccttg cctcctctg tcctccttcc acaggtgtgg ccaagggcac 120
tgcccagttg gcctgtgacc cccagctgag gctgcttccct gggcagctga cttcaagttt 180
gtgacctgag ctctccaggc ccccgagcgg ctggtgcctt ggccctgcag ttctgcggcc 240
aagactcctc ctctgggatc tcgtcttacc ctgctgcggg tgccagggct gcatgaagca 300
agggcgaaaag tccccttcgc ccgggcgctg cctctgcctt gctgtccctt gtgctcctgt 360
tccccgtggc tgcccaggga cag 383

<210> 605
<211> 383
<212> DNA
<213> Homo sapien

<400> 605
ccatcgattc gaattcggca cgagccagac tccttcctcc aaccagagc cttctcccat 60
agtatctctt tagcctcttc tgcttcttag actgtccctg cctccagggg caccatactc 120
acctggcctt ttccaggagg gcctcctaga ccgaacgcaa gtaagcacag cttctcctga 180
gcccaccctc tactctactt gctccccacc attatttgta aggaaactct tctctttact 240
ccccaacatt ctccatcccc ctcccttggc tgctcctcc cttcttcttc ccagcctatc 300
ctttatgccc cgcacggggt ttcccaccag aactcttggc tcagaaatca gttgggacaa 360
agccctgtgc tcttcagtc tgg 383

<210> 606

<211> 372
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(372)
 <223> n = A,T,C or G

<400> 606
 ggcacgagag aagagaaggc ccggggggggc cggggagggg gtacccaggc tctgcacagt 60
 acccaagggg cttctggcag caggaaggaa gctacacatc agagttggg acttggtccc 120
 tggggctgcc tggcatctgg gggcctcctc agagccaggg ctctttctgg ttgaggctga 180
 gactcactgg tgtcatcagg cccctccatg aatgagacaa acaaaacact tgttgggcct 240
 tcggagctcc ccacagcgtc tgctgtggcc cctggcccag gcactggggc tcgggcatgg 300
 cctgtgtctg taggatttgt gctgggggct gtggtcctct cgctcctcat tgcacttgct 360
 gccaaatgcc an 372

<210> 607
 <211> 377
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(377)
 <223> n = A,T,C or G

<400> 607
 cgattcgaat tcggcaccag agactttaca gagatagtgg ggtgttttaa ggcaggggga 60
 ggaactgcac agcccagacc tgggagggag ggatccaggg aaggagagat cctgggaatt 120
 gcaatagcag caggcagagg ctgttggttc ctattgtttc ctggctgcta tgaatgactt 180
 ggctttaatg actcccaagg ttctggatct ctccagttca natttcaaat tattgacaaa 240
 acaatctgna ttgccagctt agtcctaggc atatgccctc gagccaacct ggccaatcaa 300
 atattgacaa aacaatctga tgggcagggg ggcctcaggg catatgctag gacaaacttt 360
 ggccagatga ggcacat 377

<210> 608
 <211> 377
 <212> DNA
 <213> Homo sapien

<400> 608
 cgttgctgtc ggaacttatg gaaaagttct taacagatta tttaaattgac ctccagggtc 60
 gcaatgatga tgacgccagt ggcacttggg acttctatgg cagctctgtt tgtgaaccag 120
 atgatgaaag tggctatgat gttttagcca acccccagg accagaagac caggatgatg 180
 atgacgatgc ctatagcgat gtgtttgaat ttgaattttc agagaccccc ctcttaccgt 240
 gttataacat ccaagtatct gtggctcagg ggccacgaaa ctggctactg ctttcgggatg 300
 tccttaagaa attgaaatg tcctcccgca tatttcgctg caattttccc aaccgtgaaa 360
 attgcacca ttgcagg 377

<210> 609
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 609
 ggcacgagcc ctccagccac tgctttatac tctccttctc tgggtgaaat ttttgaagta 60
 aatagggtcac tctgcccac gtccatcttc cagtcactct gtgtgtttat cttccaggga 120
 agtgaggctc tatgctacca agccactgaa ataatttttt tttttttcaa gactccatct 180
 caaaaaaggg agatgattta caaaattaag ccaggggggg cccacacct gaggccagc 240
 tattggaagc ctaagcggga agatggccct acctgggagg gcaggctgcg ggagccagaa 300
 ggccccctg cctccaaatt ggggacaaac aggaccttgc taaaaaaaaa ggggtggtta 360
 attttcaaaa 370

<210> 610
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 610
 tacggctgcg agaagacgac agaaggggga aatggggctg ggggccgtcc ccgggagaca 60
 ggcggccttc cgagagggac tggagcagge cgtgcggagt gggcattgct tgatgggcag 120
 gaagttgagt gttccttgca aggggtgctgt ggcaagagga ggcttgggtg atttggcagc 180
 gttcctgagg ctggacatga tccacctgat ggctggctga gtaccccagg gagctgatcg 240
 aatagcagtc aaggctgaga tggagggcgg ttttctggag aacctgaggc atgcagctgg 300
 ggttttggtt caagaggacc tcgtgggact gctgggagcc catcacacc gcactactga 360
 cccccagtat 370

<210> 611
 <211> 368
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(368)
 <223> n = A,T,C or G

<400> 611
 ggcacgagga agaagcggag ccagggctga gatcccgaag gcgggagagg tctgggatgg 60
 ggcggggcct atgggagcgg ggctgaagcc ctggggccgg cagaggaagg tcgagatgga 120
 ccattgttggg ccccttctct ccccgcccc aggcgcagc tcggggggcca cggccggcg 180
 tgctcgggtc accgcgggaa gcccttgaa cccctggcgc ccggcaccca cgtgcggtaa 240
 ccgcggctcc tcgagagctc cagggatgcg gatctacagt aagggtgtg gccagatgaa 300
 tgaatgcaca ttttttagtg ggcagaaaga tgtaaattc atgattagaa tangcacaaa 360
 ggaggcgg 370

<210> 612
 <211> 379
 <212> DNA
 <213> Homo sapien

<400> 612

```

ggcacgaggg agcggcgagg agtgaacacc tggctgcagg tgacggcctg caggaaggag      60
gcgaagatgg ccccagggaa ccaaagaggc tttgccgacc cccgggagag gaggaggtgg      120
actgggaacc cctggccaaa ttccgagcag cctgcgggcc agagctggca gacctggtgg      180
ctgaggagtt ggccctttgct aggcagcatg ggacccgggg tttccactgg accggagctg      240
gctttgccct taaggacggc acctcggact tcttcctgga tggggccctg acacgctgca      300
gctgctcaat tcacgcgcgc cgccgtctgc cctgcagaca cctctttgca gcgcgcctcc      360
tactgggggc tgccttatg                                     379

```

<210> 613

<211> 380

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(380)

<223> n = A,T,C or G

<400> 613

```

gattcgaatt cggcacgagg cggtagcccc catctcgtct tggccgcccc agaggttcgc      60
ggcttcttga cctgctgtgc ccctctccag cctggatcag gacggagaac acccccgaaa      120
cccacctcac cagcacagcc ggccgaccct tccggaggtg gccgcagaga ctagccaact      180
tgcgcgcccc cgcaccgga ccacagctcc cagcacacct caagggccca cgcgcgccag      240
gactacaatt cccggcgctc tccggaagct caagtgtacc caggcgcggt gcctgctggg      300
aattgtagtt gacgttggtc agcacggaag ccacaggatc ccagcccggc ctttgntgga      360
ctgangtgcc gctgagtgga                                     380

```

<210> 614

<211> 369

<212> DNA

<213> Homo sapien

<400> 614

```

ggcacgaggg aagtgcaaag acttccggtc ggctgagcgc tgaggtgtgg gtgttcgttt      60
ctcaggtaaa acatggctaa aagcttacgg agtaagtgga aaagaaagat gcgtgctgaa      120
aagagaaaaa agaatgcccc aaaggaggcc agcaggctta aaagtattct caaactagac      180
ggtgatgttt taatgaaaga tgttcaagag atagcaactg tgggtggtacc caaacccaaa      240
cattgccaag agaaaatgca atgtgaggta aaagatgaaa aagatgacat gaaaatggag      300
actgatatta agagaaacaa aaagactctt ctagaccagc atggacagta cccaataatg      360
atgaccaag                                     369

```

<210> 615

<211> 374

<212> DNA

<213> Homo sapien

<400> 615

```

ggcacgagcc tacctgaggg gggagccctg ggcttggtca cttcccacct tccagatgta      60
ttaaataacc ggaggaggag ttagcctttc tggatgtcct cattatctaa caaccctcc      120

```

ctttgatttt	taaatcctca	caggacgcgt	gacccaaaacc	aaagacggcc	atgaagtgag	180
atcgtgcaaa	gtagcagata	aaacggggcag	catcactatt	tccgtgtggg	atgagatcgg	240
aggtcttata	cagccagggg	atattattcg	gttgaccaga	gggtatgcat	ccatgtggaa	300
aggatgtctg	acactttata	ctggaagggg	tggatgaactt	caaaaaattg	gggaattttg	360
tatggtttat	tcag					374

<210> 616
 <211> 382
 <212> DNA
 <213> Homo sapien

<400> 616						
ggcacgaggt	tgggcgagat	gaagctacac	tgtgaggtgg	aggtgatcag	ccggcacttg	60
cccgccttgg	ggcttaagaa	ccggggcaag	ggcgtccgag	ccgtgttgag	cctctgtcag	120
cagacttcca	ggagtcagcc	gccggtccga	gccttctgc	tcactctccac	cctgaaggac	180
aagcgcggga	cccgtatga	gctaagggag	aacattgagc	aattcttcac	caaatttgta	240
gatgagggga	aagccactgt	tcggttaaag	gagcctcctg	tggatatctg	tctaagtaag	300
gccatttcca	gcagtttaaa	aggtttcctt	tcagctatga	gactggctca	tagaggctgt	360
aatgttgata	caccagtttc	aa				382

<210> 617
 <211> 383
 <212> DNA
 <213> Homo sapien

<400> 617						
cgattcgcgc	cgcccgccct	gcgtacgctc	gcaaggcgct	cgcagactcc	ggagtcgcca	60
acatgtcgac	cgccatgaat	ttcgggacca	agagcttcca	gccgcggccc	ccggacaagg	120
gcagcttccc	gctggatcac	ttaggtgaat	gtaaaagctt	taaagagaaa	ttcatgaagt	180
gtcttcataa	caataatttt	gaaaatgctt	tgtgcagaaa	gggatcaaaa	agatatttag	240
aatgcaggat	ggagaagaaa	ttgatgctaa	cagaccattg	aagaaactgg	atttgagagc	300
ttgactagtg	aaaatcaaga	gcaaaaaatg	aatttgatga	aagacccttg	gccgggtcag	360
ggtctctcag	acggaggcac	atc				383

<210> 618
 <211> 372
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(372)
 <223> n = A,T,C or G

<400> 618						
ggcacgagta	ggaggagatg	actcagaccc	cagatcagag	aacgaagccc	ccaggagggg	60
ctggagttag	aagtccggtg	gccttgggac	gggggtgacc	ctgacgaggg	tcagcagggg	120
cgaaagcagc	agagcagggg	cagaacttca	gtcccatgaa	accttgacag	gcgcgaactt	180
ccagaggtct	ggctggccca	tgtgcagcag	gccgctgaag	ggcagaggtg	tccactggaa	240
cgggggcacc	tggtcccaag	tgggaccgct	ggccgccagc	aggctcagga	tcctggccag	300
tgacatgctg	gtcaccttca	catcgatacc	cccattgggag	cgctgacgca	ngggcctgga	360

ggggtangag cc

372

<210> 619
 <211> 373
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(373)
 <223> n = A,T,C or G

<400> 619
 ggcacgaggg aagatctgca gacacctgtt ccacgtgctg gcacacatct actgggcca 60
 cttcaaggag acgctggccc tggagctgca cggacacttg aacacgctct acgtccactt 120
 catcctcttt gctcgggagt tcaacctgct ggacccaaa gagaccgcca tcatggacga 180
 cctcaccgag gtgctatgca gcggggccgg cgggggtccac agtgggggca gtggggatgg 240
 ggccggcagc gggggcccgg gagcacagaa ccacgtgaag gagagatgag cccccgggc 300
 cggacagggg cacacgtgtg caaagagacg gtgggggtgtg ttctcttctg catctgcgtg 360
 tgcacacatg tgn 373

<210> 620
 <211> 373
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(373)
 <223> n = A,T,C or G

<400> 620
 cccatcgatt cgaattcggc acgaggettcc ggggccagcg ccgctggcaa ctgcagtacc 60
 ctgggcaaga tcctggtgca agtcccacca cggttcgtga acaagggtccg ggccctaccc 120
 tttgtggagg gagaggacgc ccagttcacc tgcaccatcg aaggcgcccc gtaccgcag 180
 atcaggtggt acaaggacgg ggccctgctg accactggca acaagtcca gacactgagt 240
 gagcctcgca gcggcctgct agtgctggtg atccgggcgg ccagcaagga ggacctgggg 300
 ctctacnagt gtgagctggt gaaccggctg ggctccgcgc gggctagtgc ggagctgcgc 360
 attcagagcc ccn 373

<210> 621
 <211> 380
 <212> DNA
 <213> Homo sapien

<400> 621
 ggcacgaggg aacaacctgg gcaggatccc acctcagacg acgtcatgga ctggttcctg 60
 gaggagtcc agagccagcc ttaccgtggc ggctttcatg aggaccagtg ggagaaggcc 120
 aagacctata aagatgaggg caatgattac tttaaagaaa aagactacaa gaaagctgta 180
 atttcataca ctgaaggctt aaagaagaaa tgtgcagatc ctgatttgaa tgctgtcctt 240
 tataccaacc gggcagcagc acagtactat ctgggcaatt ttcgttctgc tctcaatgat 300


```
gtgacagctg ccagaaagct aaaaccctgc cacctcaaag caataataag aggtgcctta 360
tgccatctgg aactgaaaca 380
```

```
<210> 622
<211> 383
<212> DNA
<213> Homo sapien
```

```
<400> 622
ccatcgattc gaattcggca cgaggccagg atcctgagga atgtgagtga gtgtttcctg 60
gcccgggaga tgggctactt ctcccagtag gtggcctggg tgagagagga ggtgactcag 120
cgcattgcc a cctgccagcc cctctccgga gccctggaca acagccgtgt gatcctgtgt 180
gacatgatgg ctgaccctct gaatgccttc tggttctgcc tggcatgggt caccttcttc 240
ctgatcccca gcatcatctt tgccgtcaag acctccaaat acttccgtcc tatccggaaa 300
cgctcagct ccaccagctc tgaggagact cagctctttc acatcccccg ggttacctcc 360
cttaagcttg taggcccctg ggg 383
```

```
<210> 623
<211> 384
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1) ... (384)
<223> n = A,T,C or G
```

```
<400> 623
ggcacgagat ctgaccctag gccacaatca gagaatggaa ttcctagggt actccataat 60
gcaactggta gccacagagt acttattcat tcatttccca gatcatcatg aaggacactt 120
aactttgttg cgaagctctt tgggtgaataa tagaactcag gccaaaggtag cggaggagct 180
gggcatgcag gagtatgcca taaccaacga caagaccaag aggcctgtgg cgcttcgcac 240
caagaccttg gcggaacctt ntgaatcatt tattggcggc gctgacaatg ataaggaatt 300
ggaataatgt catactttca tgaatggctg cctcctttca cgatggaaga agtcaattgg 360
atcaggaatg gaatggaccc caat 384
```

```
<210> 624
<211> 358
<212> DNA
<213> Homo sapien
```

```
<400> 624
ggcacgagct atcatctatc tatctatcta tctatctatc tatctatcta tctatctatc 60
tatctaaatg acctgacaga agaaaactgt taaaaatgga tattattgga ggggatttaa 120
aacagtgggt gtgaattatc attctgatgg aaagaaaata gcaaaacaat gtgttacaag 180
tatttgctaa taaacagtat actgccagct tctaattgct ttttgatgta tgaaaggctt 240
atataatttt cttttcgctt ggtgactttt gccagatgag aggaggtggc acaatgggtg 300
atgcaaggca cagtcctagc cttctgtggg tatacttttg gagttgtgac ttggctgg 358
```

```
<210> 625
<211> 354
```

<212> DNA

<213> Homo sapien

<400> 625

ggcacgagga	gtgagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	120
gagagagttt	tctctctcgc	gcgctcttct	cttttgtgca	agagaggggtg	gtgttttttt	180
tttttttgga	cacgcgcctt	tggttttttt	tgtgtggctc	tctctcgcgc	tttagctcct	240
ctctctcgcg	gtgtcacgca	tactctctct	ctctctcgcg	cgtgtgtgag	agtctttttt	300
ttttttgcgc	cgtgcatttt	ttgtctttca	ccccccctg	tgggggctt	tctc	354

<210> 626

<211> 359

<212> DNA

<213> Homo sapien

<400> 626

ggcacgaggc	ggacttgggc	ggccacaggt	aactttctcg	caaggagctg	aattctttca	60
ctaaagggtg	caagcccag	ggacgagctg	cgcgatgatt	ggctggggag	ctccctcagg	120
tgagctgcca	ttggcagagg	cgcgctcagg	taaggccctt	ctccaagtgc	aggtaactca	180
ctccgaagtt	tacctgagtg	gagcggcggc	atgcttgag	ctcggcggca	gcctgtgaga	240
gctgagggtc	agttcttcga	gtagatctca	agctgcgttt	tcctccttct	ccaaagcagg	300
gatgggaagg	tggaggctac	tggttgaaga	gaagaaaggg	gttgggggaa	tgcaacacc	359

<210> 627

<211> 362

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(362)

<223> n = A,T,C or G

<400> 627

ccgggagtg	gggaggcagt	gttagaggtg	ggtggcggca	gcggctagcg	gactcgagtc	60
tcaaccgggc	tgaggcggac	acttctgtgg	agcgaagcag	tgggagcatc	gagcactaga	120
ggcggcaccg	ggatccccgg	ctccggggag	gggggcggcg	gaccgggagg	aggggagggg	180
gcgatgctgg	aagccatggc	ggagcccagt	cccgaagatc	cacctccgac	ccttaagcca	240
gagactcagc	caccagagaa	acggcggaga	acaattgagg	atttcaacaa	attctgcagt	300
tttgttttgc	atatgctggt	tacattcccc	ctagcaaaga	ggaaagtgc	tggccagcct	360
cn						362

<210> 628

<211> 354

<212> DNA

<213> Homo sapien

<400> 628

actacggctg	cgacatgacg	acagacgggg	ctgggtacct	acgatgtcct	ggctggatac	60
ggtgtaaaga	cttctctagg	gagacagatg	gattagggaa	tgggtggatgg	accacactgg	120

```

tctttatttc cctactactc tacgttatgt gtctcttaaa ttatctctgc cagaactatg      180
ctgagaagcg agcatttatg ttataagaat tatagccacc aaatcaaccc tgtgcacatg      240
gcacttccgt cacctcatgc tgtgacctct cataggtctc ggtccccccag gtttgaggag      300
atgagtcgcc ctggctgatg catttctaac agggctggag gatttctgca ggaa          354

```

```

<210> 629
<211> 360
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

```

```

<400> 629
ggcacgagaa aatacagagt cttattggag tacacatatt tgggagaaca tagtttgtaa      60
aggaagtagg aagggtttgtg ctgtgatcta ataatgattt tgaggtaatc agatgaaaag      120
tcggaagaaa gtttcaggca gaaggaacaa cgtgcaaaga tgagagaaat taaaggaaca      180
aaagttcagt gtgtctagag tgtagaggat gaggaagagg gatgtgacgt gagatgaggc      240
tgaagagagg cagggacctg accatggggc accttgaaat tcaggatcag ttggttgat      300
tttcataccta ggcacaatgg gaagctattc aagagtttta tgcagaggat tgactttgcn      360

```

```

<210> 630
<211> 353
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(353)
<223> n = A,T,C or G

```

```

<400> 630
ggcacgagaa aatacatagt cttattggag tacacatatt tgggagaaca tagtttgtaa      60
aggaagtagg aagggtttgtg ctgtgatcta ataatgattt tgaggtaatc agatgaaaag      120
tcggaagaaa gtttcaggca gaaggaacaa cgtgcaaaga tgagagaaat taaaggaaca      180
aaagttcagt gtgtctagag tgtanaggat gaggaagagg gatgtgacgt gagatgaggc      240
tgaagagagg cagggacctg accatggggc accttgaaat tcaggatcag ttggttgat      300
tttcataccta agcacaatgg gaagctattc aagagtttta tgcagaggat tga          353

```

```

<210> 631
<211> 352
<212> DNA
<213> Homo sapien

```

```

<400> 631
ggcacgaggc taggtgagcc ctgctttgtc ctcagtagag agccggttcc ctgggctcat      60
ccaggggctg agagacggcg ggacgctggg gcagggcaca ctggcggagc tgcttgctca      120
gtaaggaatg tcagttgttg cgctggggcca tgagaaatcc gccagaaaac gttaggtgag      180
cagacatgcc ccccatgccca gtgggctgct gtgagtgagg ataaagtgtg tgttgggcat      240

```

```

ataaaccttg gctgcccgc caccctgtgg agacaagtgc agctcctcca gctggagagg      300
gctgctcttc tctgcccac ttccttcctt tctccatgat tcccatggag ag              352

```

```

<210> 632
<211> 357
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(357)
<223> n = A,T,C or G

```

```

<400> 632
cgttgctgtc ggtttctcag tcttcgttg taagaatgta gatgccggtt gcaccttctg      60
ttgtcttgga agagactgca gtgcttggtt ggaaaataag ctgctcggga ctcctctgag    120
aagccaaagt gaagctcaga gatggaagtg ggtatacttg tgctaacca ggggtgctga    180
ggttgggtga gcttcgcgtt ctccgaggtg gaggagaggc agctcctgag ccatttctgg    240
cctcggtgtc agagctgccc aatttcagtg tgagaaatac cagagaggca gaactttggc    300
tgctttctct aaaagcatat gaatgattgc aggagcgtat tttacgtcct ttccttn      352

```

```

<210> 633
<211> 365
<212> DNA
<213> Homo sapien

```

```

<400> 633
ggcacgagga agaagcggag ccagggtcga gatcccgaag gcgggcgagg tctgggatgg      60
ggcggggcct atgggagcgg ggctgaagcc ctggggcccg cagaggaagg tcgagatgga    120
ccatgttggg ccccttctct ccccgcccc aggcgcagct tcggggggcca cgccccggcg    180
tgctcgggtc accgcgggaa gcccttgaac cccctggcgc ccggcaccca cgtgcggtaa    240
ccgcggctcc tcgagagctc cagggatgct gatctacagt aagggtctgt gccagatgaa    300
tgaatgcaca ttttttagtg ggcagaaaga tgttagaatt catgaattag aataagcaca    360
aaggg                                           633

```

```

<210> 634
<211> 356
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = A,T,C or G

```

```

<400> 634
cgctgctgtc gacttgccat tggtagacc taccaaaccg caggaaatga aaagacgaat      60
caacaacatt ttggagaaaa aatttattct acttctagaa tttcattact acaagtgtt    120
agttcttggg ttggtagatg aagtgaaatc aaaattggat atttggaaca ttaaataatgg    180
gagcagagaa tctgtggaat tattgtctga agactggcat aaatttattg aagaaaaaga    240
attcctagct cgacttgata cttcttttca aaaatgtgga gaaatttata agaatttggc    300

```

tggagaatgt cagaatatta ataaacagta tatgatggtg aaatctgatg tttgtn 356

<210> 635
 <211> 366
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(366)
 <223> n = A,T,C or G

<400> 635
 tacggtgctg agaagacgac agaaggggct caccctcccc catggccggc agctacgcct 60
 agacctgctg gaaaggttcc acaccatgtc catcatgctg gccgtggaca tcctgggctg 120
 caccggctct gcgaggagc gggcagcgct gctgcacaag accattcagc tggcgccga 180
 gctgcgngg actatgggca acatgttcag cttcgcgggc gcatggggcc ctgacatggc 240
 tagattttct ggctgagcag acatggggac cctgcgcagc gaacacagag ggtgccatct 300
 gacgagaaga gcttaagctt ttctcaagac ctcaacgagg ccaagaagcc cgccgtgaga 360
 acaccc 366

<210> 636
 <211> 358
 <212> DNA
 <213> Homo sapien

<400> 636
 ggcacgagag ccagccaagt tcgacgaagc ggagcaggtg tgggtgtggg agtacgagac 60
 ggaggaagga gcacacgacc tctacatgga caccggcgag gagatccgct tccgggtggg 120
 ggacgagagc tttgttgaca cgtccccac agggcccagc tcagcagatg ccaccacttc 180
 cagtgaggag ctgccaaaga aggaggctcc gtacacgctt gtgggatcca tcagtgagcc 240
 aggctgggc cttctctcct ggtggaccag caactagccc tggggctgga cagtggaccc 300
 taccagcctg cgggaaggtg gtatggccgg ctgtgaagac aacagcagct gaggccga 358

<210> 637
 <211> 360
 <212> DNA
 <213> Homo sapien

<400> 637
 ggcacgagat ctgaccctag gccacaatca gagaatggaa ttcctaggtg actccataat 60
 gcaactggta gccacagagt acttattcat tcatttccca gatcatcatg aaggacactt 120
 aactttgttg cgaagctctt tgggtgaataa tagaactcag gccaaaggtg cggaggagct 180
 gggcatgcag gagtatgcca taaccaacga caagaccaag aggcctgtgg cgcttcgcac 240
 caagaccttg gcggaccttt tggaatcatt tattgcagcg ctgtacattg ataaggattt 300
 ggaatatgtt catactttca tgaatgtctg cttctttcca cgattgaaag agttcatttt 360

<210> 638
 <211> 334
 <212> DNA
 <213> Homo sapien

<400> 638

acccagaaac	caacttagag	acacttcaaa	ttttttgagc	tagagatcac	aaacatcaag	60
gtatttgact	cttattttcc	atcacttgct	acttgagggg	gtcacactaa	ccaattctgg	120
ctacatactt	tcctgctatg	gactctagaa	gaaaaactgc	aaagaaacag	aaaactaacc	180
ttcttaaaca	tatataagga	atcaagggtt	tccttaaaact	attacctgag	agtcctatatt	240
ttgccttctg	tatagtaagc	atgtcattct	actcactatt	ctgccggaat	acatcttcac	300
atttcagact	ggattacttt	ccaaatactg	gata			334

<210> 639

<211> 685

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(685)

<223> n = A,T,C or G

<400> 639

tccagggtgg	aatccaagtc	aaaaatgaaa	aaaacagacc	atctctgaaa	tctctgaaaa	60
ctgataacag	gccagaaaaa	tccaaatgta	agccactttg	gggaaaagta	ttttaccttg	120
acttaccttc	tgtcaccata	tctgaaaaac	ttcaaaagga	cattaaggat	ctgggagggc	180
gagttgaaga	attttctcagc	aaagatatca	gttatcttat	ttcaaataag	aaggaagcta	240
aatttgcaca	aaccttgggt	cgaattttctc	ctgtaccaag	tccagaatct	gcatatactg	300
cagaaaccac	ttcacctcat	cccagccatg	atggaagttc	atttaagtca	ccagacacag	360
tgtgtttaag	cagaggaaaa	ttattagttg	aaaaagctat	caaggaccat	gattttattc	420
cttcaaatag	tatattatca	aatgccttgt	catggngagt	anaaattctt	catattgatg	480
acattagata	ctacattgaa	canaagaaaa	agagntgatt	tactcacgaa	tcangacttc	540
attannagat	ggggcaaaaa	agttgtagtg	gtgcccataa	accagacagg	agattccaaa	600
gctttttgta	ggtggagatt	ggaccaactt	ataggcactt	tatctcgctg	acaaatgcct	660
ttatattatt	cattcaggcc	tgctn				685

<210> 640

<211> 657

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(657)

<223> n = A,T,C or G

<400> 640

ggcacgagcc	caggctggcc	tcgaactcct	gggctcaaag	cagtcctcct	gccttggcct	60
cccaaagtat	tggtattaca	ggtgtgagcc	acctgtatatt	ttttttgtag	agacaggatt	120
ttgtcatggt	gcccaggctg	gtcttgaaac	cctgggctca	gagcagtcgg	cctgccttgg	180
cctcccaaag	tgctaggact	accggcgtga	gtgagctacc	tcacctggcc	tctcatagac	240
tttaatatgc	taatatagacat	tgttccccctc	taaaaggcaa	gtatggtggc	cttcaaactt	300
tcttggccag	gcaacatctt	tgtagaagac	cactcttaga	gtactctagt	attctggaga	360
atacagtttg	tcaggggcag	ttgtcttaac	cttctataaa	tgtgtacttg	aatcattgta	420

```

atgcaatggt gggcacatta ggaaatacac agtacattnt tgcctttaag gaantttaaa 480
tggagaatgt ccanatgata ctattacant ccattagnan tagacatctg atgaaatggt 540
ctttgtgntt atttgggaga aacatattga agagctggct atgggttcac aggagcttac 600
cattggatag nggtaaaagg attgaaactc ataaaaatgt acatacaagc gactttt 657

```

```

<210> 641
<211> 604
<212> DNA
<213> Homo sapien

```

```

<400> 641
tactgctgcg ataagacgac agaagggagt taaattacac aactctgcag atgtttaacc 60
accgtacgac aatatactac tttttgtgcg tgtgtgtatg tgagacagag tctcagtctg 120
tctcccaggc tggagtatag tggcacgac tcggctcact gcaacctctg ccttctgggt 180
tcaagcaatt ctctgcctc agcctcccg gttagctggga ctgcagggtg gtgccaccat 240
gccagctaa tttttttttg tatttttagt agagacaggc tttcaccttg gtggccacgc 300
tgatttatga ctccccaccg ggggctagtt gcctggcttg gcctcccaa gtgccgggat 360
tacctggggg agccccccac cttggaaaaa aagattgttt tagttggccc ccaaaaagga 420
ccaccccat tttttccccg tgaggggggg ggggtggccc tgctgtatga cttcgtttgg 480
gagctttggg gaggacaccg tcggccgttt ccttgtccct gaaacagggg aaagcccccc 540
ccttatacaa ggatttgggg gcggggggaa acacttttcc catttggaag gttgcccaac 600
tggt 604

```

```

<210> 642
<211> 225
<212> DNA
<213> Homo sapien

```

```

<400> 642
ggcacgagga gagagagaga actagtctcg agagcagctt tttttttttt ttttttcggg 60
atggaaagaa accttttgtg gaacccaaac caaacctttt tttaaaggat caacagccca 120
ccccaaaacg cttttaatcc aaaaaggacc ccagggccca aaaaagggtg gctaataatta 180
aaaaaaaagg ccattttaat cttcggggggc ctacacaaag ctcat 225

```

```

<210> 643
<211> 226
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(226)
<223> n = A,T,C or G

```

```

<400> 643
ggcacgaggt cgagtcacag gccaanctt gtgttcaatc gtgtgaatgg ccggcggccc 60
cctccacgtc cccatccttc gaggggaccc aggagacctc cacagtggcc cacgaggaga 120
atgtccgctt tgtgtccgaa gcctggcagc aggtgcaaca gcagctggat ggtggcccag 180
ccggtgaggg cgggccaaagg cctgtgcagt acgtggagag gacccc 226

```

```

<210> 644

```

<211> 496
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(496)
 <223> n = A,T,C or G

<400> 644
 cttgacacta aactacttgc agcccntggn nnntnnngaa ganccgatcg attggaattc 60
 ggcacgagat tccctttata ctgaaaaggt cttaatgtca tttaagtaat caaatttggc 120
 atcaccattg gaacaaacat gtgcctcttc ttttgatgtg ataaaaagga ccatcacctt 180
 tatagtattt gggccaaaaa catttaattt gaacataata agaaaacatt tagacaaatt 240
 cagatgtgtg gaacaatgtg caaaacagct gtccctgaatg cttcaaatat aacaatatta 300
 tgaaatgttt tatataatag gccagagaca tggcaactaa atacaatgag tgaccacta 360
 gtaaaaactt aataaatatt caggcccttt tttaaacagt tgggagatat ctgaatatag 420
 gatgcattgt atattatatc aatattaatt ttcttgagtg tgatataatg atattgtgta 480
 cataagaaa gttttg 496

<210> 645
 <211> 448
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(448)
 <223> n = A,T,C or G

<400> 645
 ggcacgaggt aggtcgttac ctcaagttag tcaactcaggg aacaatgagc acttgaagat 60
 ttttttatac aaaaggccac agtgaggcca ccttgagtca agccgactaa ggccctcaa 120
 cctgtcact aagcagcacg tgacactggc aggacctca tctccagcat cccaccctg 180
 ggtgtgggac tttggggcag ccgtgtgtgc aggtgtcggc acaggctagc tectcctggg 240
 ttggggtggn ggttgccatt gcagagcaag ctgccacgaa gaccctggg catgatntg 300
 cttgtatttc cggaagtggg gttgctgggt catagggcag gtgtaatttt ttttccttga 360
 gaggtccact tcctgttctg ggaggggggc ccaaggggtc tgcttttggc aggcgcagt 420
 gctcaccgct gaaaccagc cttcagaa 448

<210> 646
 <211> 444
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(444)
 <223> n = A,T,C or G

<400> 646


```

aattcggcac gaggaatccg ggaggcggag ctttcagtga gccgagatcg cgccattgca      60
ctccagcctg ggcaacagag tgagactccg tctcaaaaag aaaaaagaat taaatggggg      120
caggatgggc tcagatctta taacaagaag gcaatgaagc aaaaggctcc aaaggtttga      180
gaaaaagtgc caggaatttt atactttgcc aaagtgtgtc tataatacaa aggctataga      240
tgttctcaag tttgtaagaa ctctaaagta caaatcatga gtctttggga aaaaaccgcc      300
caataatgaa attcaactaa agaagagatg aatcanatta agggacttag gacanagaat      360
caagtaaagg agtgtagtaa acacttcaga aaacttanaa nntatggcan ntgattataa      420
gtcaatatta tgaacactgt ctat                                           444

```

```

<210> 647
<211> 431
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

```

```

<400> 647
attcggcacg agctgagccc ttttatatac ttagccacta cttctgtctg tctgtctgtc      60
tctctctctt cctctccctc tctctcttct tctctctccc tctctctctc tttctttctc      120
tctccccccc tccctctctc ttcttttctt ctctcttggg ggaactggga gtggaggccc      180
agtggctggg gagacattag gtggtggngc ccagcccgac ctccaggntc ttccttctcc      240
ctacgctgtg ctttgggtct gccactccca gccccttgt ccccttgga gcttgccctg      300
ccctcatctt gcccatgctt tctactggca ggagacttgc acccatttca cctcctaggc      360
ggggcaaaagt gggcaaggat ggacaacaca aggggggaag gtctggtcat tccccctgca      420
tcacagacga n                                                         431

```

```

<210> 648
<211> 426
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

```

```

<400> 648
ctctgttttt gggatcctcg gtcaattcgc acgagacgtg aagaatattt tgatataggt      60
attatgacaa attgaagtaa gagactgttg ccagtaatc agatgttga caaagtaact      120
ttactggaat ttggttcttg agctaatcgg tcagagagat taacttccat atttgtattt      180
cttataaagt cagaattttt tgtctgtatt tctctagatg aggaactctg gatgatattg      240
aatattttat ctcaattgat ataagagaat gaagttagaa tgtgaatatt gcagctattt      300
tataatcaag ggttcagatt tgggttctcc caattaccag ctctgtgacc ttgaaccctc      360
tgtgaccctg ctgtacaagg gagtactatt tagaggtgcc tgccttctat gttgttagag      420
aaggcn                                                                426

```

```

<210> 649
<211> 428

```

<400> 649

```
<210> 650
<211> 422
<212> DNA
<213> Homo sapien
```

<400> 650

```
<210> 651
<211> 415
<212> DNA
<213> Homo sapien
```

<400> 651

```
<210> 652
<211> 414
<212> DNA
<213> Homo sapien
```

<220>
 <221> misc_feature
 <222> (1)...(414)
 <223> n = A,T,C or G

<400> 652
 gcacgaggaa ctagtctcga gagcagtttt tccacctcgg cctcccaagg tgctgggatt 60
 acaggcatga gccaccacgt ccgtgcccaa atatgtatgt aatttaaatt tcattttaat 120
 gtgtttaagg gatgaaagta aatacatgct tggtacaagc cattcaaagt tagaagtagg 180
 aagggtggctg cccggcctcc cctctcctgg gaggatctgt ggtgagcagt cggatgtgca 240
 tccttctggt cttttttcta ttaacgactc tttgctggga tttgctgtac taggctttcg 300
 cagcanacgt gggattggtg tggaaatgct ttgctggaga agggacgcga gatcacaagg 360
 gaggtccgt gtcattgcgt attgcaagtc ttagctggag taagaaactt ggtg 414

<210> 653
 <211> 416
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

<400> 653
 ggcacgaggg aacctcctgt atccagaagg gttgttcatt cttttgactg gttatgaatg 60
 aaaaaagatt tctgcctttg aggggtttta aaagatggaa ataaggatgt ttgtgatggt 120
 gctcttgctt tgcttgggac ataaaagatg attcaatttc acttcagcac ctgacacgtc 180
 atcaccaaca tgcttgctta caagttcctt tcaattttag aataataatt aaaaacaaat 240
 atatagctac tacttcaatt ctaaaatata ccaaagggtg gttattaaaa gcanatcaaa 300
 gaattttatc ttatttttagt ttttccttcc ctttctctaa caaaaataac ataagtaaaa 360
 atatatacaa actggtcctt tttaaacttc gcagaatgtc taacaggaca tttaat 416

<210> 654
 <211> 418
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

<400> 654
 ggcacgaggt ggcctctgca gaggggacct cagcctgtca ctggccctga agactggccc 60
 cacttctggt ctctgtccct ctgcctcccc ggaagaagat gaggaatctg aggattatca 120
 gaactcagca tccatccatc agtggcgaga gtccaggaag gtcattgggc aactccagag 180
 agaagcatcc cctggccccg tgggaagccc agacgaggag gacggggaac cggattacgt 240
 gaatggggag gtggcagcca cagaagccta gggcagacca agaagaaagg agccaaggca 300
 aagagggacc actgtgctca tggacccatc gctgccttcc aaggaccatt tcccagagct 360

actcaactnt taagcccctg ccatgggtgc tcctggaagg agaaccagcc accctgag 418

<210> 655

<211> 415

<212> DNA

<213> Homo sapien

<400> 655

cgatgctgtc	ggccggcggg	ctgctcgcg	cggctgggtg	ccgagctggg	gcgccctgga	60
cgctgcgca	cagcgacaat	tgcaattgga	gcagagcctg	cgcgtttgcc	gtcggctgct	120
gcatgcttg	gaaccaactg	ggacccgggc	tttgaagcca	cctccagggc	cagaaactaa	180
tggagaggac	ccccctccag	catgcacacc	cagtccacaa	gacctcaaag	agttggagtt	240
tctgacccag	gcactggaga	aggctgtacg	agttcgaaga	ggcatcacta	aggccggaga	300
gagagacaag	gccccagccc	tgaaatctag	gtccattgtc	acctcttctg	gcacgacagc	360
ctccgcccc	ccgcattccc	caggccaage	tggtggccat	gcttcagaca	cgaga	415

<210> 656

<211> 411

<212> DNA

<213> Homo sapien

<400> 656

cgttgctgtc	gggcgagaag	ggtttagaca	agatcatctc	taaaaacctc	atggttggct	60
gagcacagt	gctcatcaac	cctgagccaa	ctttgggagg	ccaaggcagg	aggattgctt	120
gagcccagga	gtttgaggct	acagtgagcc	gtgatcacgc	cactgcactc	cagcctgggt	180
gtaaaaaata	ataaaaaata	aaggctcatg	gtaattttta	aaggctatgt	ttctatgaca	240
cttgattgcc	attgcagggg	aggggacagg	aatgcttggt	gtcatggtac	aatttgatgt	300
aagtgactta	gttttgata	agtggggtt	tctaaatctc	agtgtggagg	ctttatctat	360
tttgttgtc	attggttaaga	ttgccaaactc	acttcttggc	aagagggatg	g	411

<210> 657

<211> 409

<212> DNA

<213> Homo sapien

<400> 657

cgttgctgtc	gaaagctttt	acgggattat	tttcagtgtg	ctactggact	ccaaatacag	60
acatcatgag	atgtccactt	gcccacgtgt	ggacacacag	gcaggagcgg	cccagatcct	120
cccttgctg	tggcctggtc	tttccatctc	acattcccta	acagggtttg	tacgagtcac	180
atacttttag	cttaaatgtc	atttattagt	catatctttt	ctctgcagca	ataaaatata	240
gatataaata	ttaaagtgtt	tctatgagta	acaaaattga	taaaacccaa	aaatataaca	300
aattcttata	aaacccaaaa	ttaaaatgtt	actgaagatg	cctttcttag	tgtatttagc	360
tttaaaggaa	accacctgat	tcgttctgta	ttcactgatg	gttgcacag		409

<210> 658

<211> 412

<212> DNA

<213> Homo sapien

<400> 658

ggcacgagca	ggaaggccgc	cctgagtttg	ggggccttca	gtccaggac	ctgctccctc	60
------------	------------	------------	------------	-----------	------------	----

```

tgcctctgca acgggtccag cagtatgaga atctcgtcgt agctttggct gaaaacacag      120
gtcccaacag ccctgacct caacagctca cacggcgctg gttcctacgc cagggctggc      180
tgttagtggg gcctcccat ggggagcctc ggccccgcat gttcttctc ttcactgatg      240
tgctcctcat ggccaagcct cggcctccac tgcacctgct gcggagtggc acctttgcct      300
gcaaggccct ctaccccatg gccagtgctc atctcagcag ggtctttggc cactcaggag      360
gcccttggtg tgggttgctc agtctgtctt ccctcatgag aagctactgc tt              412

```

<210> 659

<211> 411

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(411)

<223> n = A,T,C or G

<400> 659

```

ttcggcacga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga      60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga      120
gagagagaga gagagagaga gngggngcgg ggggtctctc ttttctctc cttgtgtgtg      180
tctctgtgtc gcgagcgcac acacacacgt gtgtctcccc gcgcgcgggg ggcgcccccc      240
cccgtgtgtg tgagagagag gggggggccac caccactct ccgtgtacac tctgagagag      300
ggcggggtgt tgatatctcg taaacacccc cccccccca caccggggg ggcgggattt      360
ttttggttgc gccccccccc cccccacttc ttttccttct tggggggagg g              411

```

<210> 660

<211> 408

<212> DNA

<213> Homo sapien

<400> 660

```

cgttgctgtc ggacagccca taccctgcc aagggtccc tgaatgggtg ccacacagcg      60
aggaagccac gcttgaacct ctcatccagg acattctcca cactctgccg gtcctaactc      120
aggcagcagc cataactggg gactcggctg aggccatgcc agcccccatg cactgtggca      180
ggaccaaggt gttcatgact gactctatgc tggagcttct ggaatgtggg cgtgcccggg      240
tgctggagca gtgtgcccgc tgcattccag gtggtgggag gcgacaccgg caccgagagc      300
aggagcggca gtggcggggc gtcattgctc tccaggcagc cattcggttc tggttaactc      360
ggaaacacat ccagaggctg catgcagctg ccacagtcac caagcgtg              408

```

<210> 661

<211> 410

<212> DNA

<213> Homo sapien

<400> 661

```

cgttgctgtc ggggagccgg gactacgcgg aagtgggggt aggggcccgg ggacggggag      60
gggcgtcccc agtaccgcgg agtggttcca gggagcgcaa ggccagctga gtctgggcgc      120
tggatgggcg gccttggcat taggtccaga tttgggtcct aagtactgtg cccaaccggc      180
ccgaggggaa gggggaggag acaggaaacc cgccattttt ccggatcagg ttcttggaac      240
cagcccggaa atcctgggac tcaatctggg ggccagatct ggaggcgatg gtttttctag      300

```

```

agacgggctg atgcagcccc agtatgccgt cgcactcatt tcccacattc caggaacggt 360
ccagggtctgc ccttcagcggg ttggggaact ccgcgacgac tccctctctc 410

```

```

<210> 662
<211> 402
<212> DNA
<213> Homo sapien

```

```

<400> 662
ggcacgagtc accatcctcg ggctgttctg cgcggggccag ggcgtcttct gggcttccat 60
ggctgtggca gccgtgtccc ggcccccggt tccgggtgcag cctctggatg cggagggtccc 120
aaatcgtggc ccttctgacc tgcgctccgc gctctggcgc tacgggtctgg ccgtcggctg 180
cggcgccatc ggggtatagca caataagaaa ccgacaaaaa cagcagctga tgactcactc 240
caacaacgca cagcaccaga aggcaaggaa atcaaacctc agaggctaaa tgttccatga 300
cttctccaag atcatgaagt aagcactgag taagtaggga gggggagcaa ggactcaacc 360
ccttgctcct aatctttact ctataccgca ttcaggagcc gc 402

```

```

<210> 663
<211> 404
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

```

```

<400> 663
aattcggcac gagatttatc ttttttctga attattttta aggttaaaag tatagaagta 60
gaatttatgg ggcaaaggat atgggtcattt ttacagccct tgctatgtag taccatattg 120
tgtttccaaa ggggtgtatc tatttaaaac gccatctgaa ataaatgcat taaaattttc 180
cttctaaaatt ttttttaatc agaaatgcta ggtagtttta aacttcagtg agttaaaaat 240
aattattgtc tctttttaa aaatgaagag tgtggaatag atgggtctcac agataactaa 300
tggtgcaaaag gagttaagca acacatccca actattccca agttatggca cacatggaaa 360
gcgatgctgt aggcacactg aggaaaatgg acaaagggtg ttcn 404

```

```

<210> 664
<211> 402
<212> DNA
<213> Homo sapien

```

```

<400> 664
tacggctgcg agatgacgac agaagggggg ggtgatttcg actcttggga catttggcat 60
tgtctgaaga catTTTTgtc atcacacaga gaggaaggct gcttatatta gtgtctatta 120
attagaaatc aggggtgctg tgagcatcct acagtgcaca ggacagcccc cctcatgaca 180
aaaaaaaaat agcccaaaat atcagtaacg ctgctgttga gataccctct tttaaagttg 240
acattctcct caaattagtc tgtaatttta acaaaattcc aaaaaatgcc aagtgttttt 300
acttggtggt attgcagcaa cctcgggtta aaattcatat ggaaattaag gatgaaagga 360
taagcaagat aatttttaag atgaaaaata aagtgaagaa at 402

```

```

<210> 665

```

<211> 403
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(403)
 <223> n = A,T,C or G

<400> 665
 gaattcggca cgaggaaga tggcggcctc caggaatggg tttgaagccg tggaggcaga 60
 gggcagcgca ggggtgccggg gaagctcggg aatggaggtg gtgcttcctt tggatcctgc 120
 cgtccccgcc ccgctgtgcc ctcacggacc cactcttctg tttgtaaagg tgacccaagg 180
 gaaagaagaa actcggaggt tttatgcctg ttcagcctgt agagatagaa aagactgtaa 240
 tttttttcag tgggaagatg aaaagttgtc aggagctaga cttgctgccc gagaagctca 300
 taaccgaaga tgtcagcctc ccctgtcccc aacgcagtgt gtggaaaggt acttgaagtt 360
 tattgagttg cccttgactc anaagaaagt ttggcaaaca tgn 403

<210> 666
 <211> 406
 <212> DNA
 <213> Homo sapien

<400> 666
 atatatacaa gctacttcaa aaaagccagg aagaaaagctc aggccccatta gtgatgactc 60
 tgaaagcatt gaagaaagtg atacaaggag aaaagttaaa tcagcagaga aaataagtac 120
 acaacgtcat gaggttattc gaaccacagc gtcttcagaa ctttcagaga aaccagctga 180
 gtctgtcact tctaaaaaga caggaccctt tagtgcccag ccctctgttg aaaaagagaa 240
 cttggcaata gaaagtcaat cgaaaactca gaaaaaaggg aagatatctc atgacaaaag 300
 gaagaaatca agaagtaaag ccataggctc agatacttct gacattgtgc acatttggtg 360
 tccagaagga atgaaaacca gtgacatcaa ggagttgaat attggt 406

<210> 667
 <211> 404
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

<400> 667
 ggcacgaggt tctcgtttat taaatttgcg tcaagtctct aaaactcgcc tttctgaacc 60
 aggaaccgat ctgtagaac cttcaccaaa acacacaccc aacacgtcag acaacgaagg 120
 cagtgcacg gaggtctgtg gtccaaacag tccttctaaa cggggaaaca gcacaggaat 180
 aaagttagtg agaaaagagg gtggtctgga tgacagtgtt ttcattgcag ttaaagaaat 240
 tggtcgtgat ctgtacaggg gcttgccctac agaggaaagg atccagaaac tagagttcat 300
 gttggataag ctacagaatg aaattgatca ggagttggaa cacaataatt cccttgttag 360
 agaagaaaaa gagacaactg atacaaggaa aaaatcactt ctn 404

<210> 668
 <211> 403
 <212> DNA
 <213> Homo sapien

<400> 668
 gattcgaatt cggcacgagt tccaggggtg aatccaagtc aaaaatgaaa aaaacagacc 60
 atctctgaaa tctctgaaaa ctgataacag gccagaaaaa tccaaatgta agccactttg 120
 gggaaaagta ttttaccttg acttaccttc tgtcaccata tctgaaaaac ttcaaaagga 180
 cattaaggat ctgggagggc gagttgaaga atttctcagc aaagatatca gttatcttat 240
 ttcaaataag aaggaagcta aatttgcaca aaccttgggt cgaattttct ctgtaccaag 300
 tccagaatct gcatatactg cagaaaccac ttcacctcat cccagccatg atggaagtgc 360
 atttaagtca ccagacacag tgtgtttaag cagaggaaaa tta 403

<210> 669
 <211> 398
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 669
 aattcggcac gaggtgagcc accacgcccc gcctatggta aatatatttt gaactacaaa 60
 ggtgctgtgg tactttaaag aaaaactatt ttactagtgt tatctgaatg gtctgtggac 120
 tttattttaga aactgttttt cagtttagtt ttttggacat atcctttgct cagtgtgttt 180
 tgttacttct ctagtaaagg tagaagtga gcagatgcc a ttgtaggttt taccagcatt 240
 tanatatatt atgaattgct tagcaatgaa atgcaagtat gcatctttta cttaaagata 300
 ctatttatgt attcagctac agagatgaat aacattttat gtggtaattg gtttggtat 360
 aaaatttaag tccttacagc atttgggggt tatacact 398

<210> 670
 <211> 400
 <212> DNA
 <213> Homo sapien

<400> 670
 ggcacgagga tctttcagaa cctctgtgac ataactcgag tcttgctatg gagatacact 60
 tcaattccta cttcagtgga agagtcggga aagaaagaga aaggaaagag catctcactg 120
 ctgtgcttgg agggtttaca gaaaatattc agtgctgtgc aacagttcta tcagcccaag 180
 attcagcagt ttctcagagc tctggatgtc acagataagg aaggagaaga gagagaagat 240
 gcagatgtca gtgtcactca gagaacagca ttccagatcc ggcaatttca gaggtccttg 300
 ttgaatttac ttagcagtca agaggaagat tttaatagca aagaagccct cctgctagtc 360
 acggttctta ccagtttgtc caagctactg gagccctcct 400

<210> 671
 <211> 400
 <212> DNA
 <213> Homo sapien

<400> 671

cgttgctgtc	gattaaataa	caatatatta	ccatgggtaa	cttcctatat	ggttagaatt	60
ctgccaatct	gaatTTTTtct	ttctcagaat	tcaaggcgat	aacattataa	aaataatagt	120
tatagatcct	caataggata	tttcaaggga	attacattca	ccaaaaggca	gcctttcata	180
taaacatatc	atgcaagctg	acataaacac	ctaagtgaac	ctaaatgaaa	acaatgtttt	240
ctattgctct	gagctctgtg	tgaattggct	catcatagca	aaatgagctt	cttagtggtc	300
agtgcattga	gaaaatggaa	gaactgtcat	gtattcaaaa	accagaacca	agtactggat	360
tacagattaa	gaacagacaa	tcttttggtt	tggaatcaaa			400

<210> 672

<211> 396

<212> DNA

<213> Homo sapien

<400> 672

ggcacgagaa	gcacttgaag	ggccaggaga	tttgTTTTgt	cccttgactt	agaaccttcc	60
ctattggatc	atccagittg	agagtcttgt	cacttaggga	agcctccagg	ttaagtgggc	120
cctcagcgtc	taaccttact	gacgcaggga	tgggatgttg	cctttccaga	atcttggtat	180
ataagtacag	cgatgaaaaa	ggagtccaga	atatttatct	taagtatttt	ttctaacttt	240
cacttcaaaa	aattcttcac	ctccttttaa	aaaaattaaa	acagatataa	aaatttcaact	300
aggtgtttta	atgagccttt	atcacctgct	attgggggaat	aaaacagcat	agacgggaat	360
atatatataa	atatatacat	aaaaatatgt	gagaaa			396

<210> 673

<211> 395

<212> DNA

<213> Homo sapien

<400> 673

attcgaattc	ggcacgaggc	tactcgaggc	tgaggcatga	gaatcgcttg	aacccatgga	60
ggtggagggt	gcagtgccac	tgactccag	tctgggtgac	agagcaagac	tccatcccaa	120
aaaataaaaa	taaaactcta	ggtggaggct	taatcttttc	tttaaatcag	cttcttagag	180
cactctagaa	ctcatctgta	acatttggtt	ctttaaactc	ttatttccta	caggtgcttg	240
aatggtgtga	caatttggtg	catgtcataa	tagaaaagct	aggggggaaat	gtatatagca	300
tctttttag	agacaactga	attgcttgtg	ctactctatt	cctccagaag	tagttccagt	360
ttacattcca	agaaataaaa	gaaccattt	cccat			395

<210> 674

<211> 401

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(401)

<223> n = A,T,C or G

<400> 674

cccacgatt	cgaattccgt	tgntcggac	aaaggacaga	gggtaacaag	agtaaagtag	60
acactaataa	agcacaccct	gacaataagg	cagaatttcc	aagtattttg	ttgggggggca	120

```

ggctctggtgc gttgaaaaat tttgtcattc cgaaaaatcaa gagggataaa gatggcaatg 180
ttactcagga gacaaagaaa atggaaatga aaggagagcc gaaagacaaa gtagaaaaaa 240
taggattagt tgaagatcta aataaaggag ctaagcctgt agttgtgcta caaaaactgt 300
ctttggatga tgttcagaaa cttattaaag atagagagga caaatcaaga agttccctta 360
aacctatcaa gaataaacca tcaaagtcaa ataaaggtag t 401

```

<210> 675

<211> 399

<212> DNA

<213> Homo sapien

<400> 675

```

attggcacga gcagcctccc aaagtgttgg gattacaggt gtgagacact gcgcctggct 60
atattttact atttggaat cacaatgcat cttaaaattg atggcttctt gcaaccactt 120
tcaaccaggt gcctgtcatg atttagtgct agcatcaagg caggtttagtt atgaagaaat 180
agagtgtgtg tttatatact cacacagtta gaaatcgacc cttttaaaaa ttatttcttt 240
ttgaaaataa tgtcagttcc atcagaacta atgcattgat aactaaatgt ctgtgggttcc 300
ttgtcatagg tctacacctg acctctctat tttgtgcaca taggggattc gtaatatcac 360
tgttcagtc gtcattcacc atctagtgat catcattct 399

```

<210> 676

<211> 396

<212> DNA

<213> Homo sapien

<400> 676

```

ggcacgaggt caggggaaggc tcgccgctgg gagaccgcca aagtgacccg agatggagtc 60
tgggtggcct gcttattagg ggggcacacc tgtgcgagga cgggaggggga gggagcagca 120
ggactgggca aaggggagaag ctgagccaca gtgcgagccg gacgcacggg ccacgttgcg 180
agggcatgac ctggggcgag gcagccctgg aggagggggc agctgaagggt gtctgctgac 240
cccacacca acagctcggg taacaggcct tactgtcaga gcgatctggt tgccacgtct 300
ctgtggccct cagagagaca tcatgttttc tttttccct gcaccttttt gttttgaaaa 360
atgttcagca tacaacaag ttgaacgtaa agtgag 396

```

<210> 677

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 677

```

ggcacgaggt taccttttga tcttaaggaa ctgttttgat tgggtcactt ccttgccctaa 60
aattccattg attgttcatt gttaattcta aaatagagtt caaatttaaa ggcatgtaag 120
ttcccctgta acggatttcc tctactcccc ctcccgctgt aatctcccat ttttttactg 180
aaatgcttca gtgagcatgg gtcttttagag gtcttgatat acaattttcc tgaagcagga 240
ataccttgct ttcccttact agttttaccac aattacagct ctcttttaag cctcagaaaa 300
aaatctcact tccgtcttga agtcttaate cacgcttttt atatccatgt gcctactcct 360

```

tctctgaaat ctccatggn ttatcttttt attcatttn

399

<210> 678

<211> 397

<212> DNA

<213> Homo sapien

<400> 678

ggcacgaggt taccttggaa agttcactaa tacttcgctc caaggcgtct gtaaaagaag	60
atatctttat tggagcaatg ttcattgtgac tgggaatgac agaagaatgg gagatgagta	120
gggacccctc aagcacagct gtcactcaga aattttaaat ttgaaaaaga aatcgatttt	180
catctgtatg ccgtcaagga aggaattcag ttacagggca tctgtaactt aaatattgta	240
agaataactc atatggaagt tcaagctatt ttatactat aatagagtta ttttaatttta	300
atctgttgaa ttattagtta ccaactgtcat ttcttcagct atggatatgt ggctgatgtt	360
ggggagacgg acctcagtgt gttttatatt gtctggtg	397

<210> 679

<211> 397

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(397)

<223> n = A,T,C or G

<400> 679

ggcacgagct gagccctttt atatacttag ccaactacttc tgtctgtctg tctgtctctc	60
tctcttctctc tccctctctc tctttctctc tctccctctc tctctctttc tttctctctc	120
ccccctccc tctctcttcc tttctctctc cttngttgaa ctgggagtgagg aggccagtg	180
gctggggaga cattaggtgg tggggcccag cccgacctcc aggttcttcc ttctccctag	240
ctgttgcttt ggtctggcca ctcccagccc ccttgtcccc ttggaagctt gccctgccct	300
catcttgccc atgccttcta ctgccaggag acttgcaccc atttcaaccc tagggcgggg	360
gcaagtgggg caaggatgga ccagcaaaag gggggta	397

<210> 680

<211> 399

<212> DNA

<213> Homo sapien

<400> 680

ggcacgagga ggagtcttgg agagctctat ttcttgcttc gattctatgg acattcatgc	60
ccttttgaag ggaggaggct ggcacctgaa actgggcttt tgtttccaag actagaccag	120
tccaggactt ggctggtgaa agcccaccgg acctagaaac tcagttctta ccggcttggtg	180
gtaaaaaagc aaacgagtta tctttttatt cttgattttc aggaaagtta tactagtatt	240
ttcttaagtg tggaatcaca tgagcacata agctgtgccc ctgtgaaaag aggttctgag	300
cctttcaggt gcctgtctct attcatttct ctgcgaccaa tgatcactgt cctttgtgca	360
ttgtgtgtct aagatgtctt caagggaag atgggtaag	399

<210> 681

<211> 398

<212> DNA

<213> Homo sapien

<400> 681

```

ggcacgaggg ggcgagccgc tgcctggggc agggtcgggg tgatctgctg gatctccggc      60
agcatcctgc agtccggccc agggagagaag tggggaggcg gcggtggggg cggggcggcg      120
tccggctctg agagagctgg gggaggagcg cggcggcgac ggcggcgggt gctctagaag      180
gggagggtgga ggatctcctt tgctcttctc agaccgggga gcgtccggga cgcggagccc      240
ggagctgggg cgacgaggcg attgcggggg cctgggctag ctgctggcta ccaatattct      300
actttctgtc tctatgaatg tgactaccct ggttacctca tataatctcc ctggaaaagg      360
agacatgaat gtctgcaatg atacttcctg acaagaag                                398

```

<210> 682

<211> 399

<212> DNA

<213> Homo sapien

<400> 682

```

ggcacgagat gcactcagcg gccctgactg ggagagtgc tggattgata caaccatcag      60
ttctattcag agtatggaaa tccagcaaata aatagatcat cagtattgca ttcaaagcct      120
ccagtgcgga tctggaaatt ataattacca tattcctgag gagaaacccc cccccaacaa      180
tggcaagggg cttttgagct taaacacaac agagccattg atagtcttcc agtgcaaatt      240
cacccttggg aatatatggt tccatagtat aagggggaac cgaagggctc taaggcgccct      300
gaagaactct cgcggacaaa acaaaagtga tatgacgcgt atgaaactga atgtagccca      360
cttgaccgac tgatgaaccg tattccagggt agctgcgcg                                399

```

<210> 683

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 683

```

cggcacgagc aggaaggccg ccctgagttt gggggccttc agctccagga cctgctccct      60
ctgcctctgc aacggctcca gcagtatgag aatctcgtcg tagctttggc tgaaaacaca      120
ggtcccaaca gccctgacca tcaacagctc acacggcgct ggttcctacg ccagggtctg      180
ctggttagtg tgctcccca tggggagcct cggccccgca tgttcttctt cttcactgat      240
gtgctcctca tggccaagcc tcggcctcca ctgcacctgc tgcggagtgg cacctttgcc      300
tgcaaggccc tctaccccat ggcccagtgat catctcagca ggtcttttgg ccactcagga      360
ggcccccttg ggggggttgc tcagtctggc cttccn                                396

```

<210> 684

<211> 396

<212> DNA

<213> Homo sapien

<400> 684

```

ggcacgaggg cgctcagcc cggcctgggc gagccctggg tgctccgccg ggcagctcac      60
ggcgccccgt atggcctggg gatcctaaga ggccctgtga cccccctcgc ctggtctccc      120
tctcaccctt ggagggttgc cgcagctccg gggcccccg gagggaaggg cgcactggtc      180
gtcccgggag aggggtctga gcagagggcg ggggtgcaggc ggaatggccc tcgtgcccta      240
tgaggagacc acggaatttg ggttgcagaa attccacaag cctcttgcaa ctttttcctt      300
tgcaaacac acgatccaga tccggcagga ctggagacac ctgggagtcg cagcggtggt      360
ttgggatgcg gccatcgttc tttccacata cctggg                                396

```

<210> 685

<211> 397

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(397)

<223> n = A,T,C or G

<400> 685

```

catcgattcg aattcggcac gagggcggac gcaggaggcc tcgtggagga cacagcagca      60
tgggacagtc agggaggtcc cggcaccaga agcgcgcccg cgcccaggcg cagctccgca      120
acctcgaggc ctatgcccg aacccgcact cgttcgtgtt cagcggaggc tgcacgggtc      180
gcaacatccg gcagctcagc ctggacgtgc ggcgggtcat ggagccgctc actgccagcc      240
gtctgcaggt tcgtaagaag aactcgtga aggactgcgt ggcagtggct gggccccctc      300
ggtcacacac tttctgatcc tgagcaaac agagaccaat ggctacttta agctgatgcg      360
cctcccagga ggccgcacct tgaccttcag gtgaaan                                397

```

<210> 686

<211> 399

<212> DNA

<213> Homo sapien

<400> 686

```

ggcacgagcc gaggtgctgt ggaggccgct caccaggctt tccctggctg ggcgggccag      60
tccccaggag cccgggcagc cctgctgtgg gccctggcgg ctgcaactga gcgccggaag      120
tctaccctgg cctcgaggct ggagaggcag ggagcggagc tcaaggctgc ggaggcggag      180
gtggagctga gcgcaagacg acttcgggcg tggggggccc ggggtgcaggc ccaaggccac      240
acctgcagg tagccgggct gagaggccct gtgctgcgcc tgcgggagcc gctgggtgtg      300
ctggctgtgg tgtgtccgga cgagtggccc ctgcttgctc tcgtgtccct gctggctccc      360
gccttgccct acggcaacac tgtgggtcat gtgccagg                                399

```

<210> 687

<211> 399

<212> DNA

<213> Homo sapien

<400> 687

```

ggcacgaggg aatgcccatt catcgattct cagtccctggc cctgctagtg atgcctccgc      60
tgatgaacgg aaggcagggt caggtaaaag agtgggtgtt ttggaacccc tgaaggatac      120
tgcagcaggg cagaacggga aagtcaggct ctttcccagc gaggcagtga tagctgaggg      180
catcctaaag tccacgaggg ggaaatctga ctcagattca gtcaattcag tgttttctga      240

```

```

cacacctttt gtggcgcca cttatttgt gcctatatatt gtatgatgtc ataatttaat 300
ctgttcatat ttaactttgt gtgtggtctg caaaataaac agcaggacag aaattgtgtt 360
gttttgttct ttgaaatata accaaattct cttaaaatg 399

```

```

<210> 688
<211> 393
<212> DNA
<213> Homo sapien

```

```

<400> 688
attcggcacg aggcgccttc tgtgtgttcc agaaaggggtg cctccactg catgcttgct 60
tatctgagtt agaagaatgc tgtggtggag tttagtgtaa atttttaaaa tattttttga 120
gccttatgat tatatagttt ttgtgtttct gaagtaggaa tttaaagtggg cattaaacaaa 180
atatttaact ttggacttaa gttataattc aggttctgaa gaataaaaagt aaggttagtt 240
tgttttgatg cctaaaaagt cctcttaggg aatattattt tgaagccctt tactatgctg 300
ttaatagtgc ttggctttta acttgggtacc agggaattgg aagggttctg tcattttgtg 360
acgatatttt taaatttctt ttgaaggtag aag 393

```

```

<210> 689
<211> 390
<212> DNA
<213> Homo sapien

```

```

<400> 689
ggcacgagga gagagagaga gttagagagt gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagtgggttct 180
ctctctcccc ccccccttc tttttttttt ttctctctct agaattcatg tgtgtgtgtc 240
tctctctctc tctctctcgt gtgtgtgcgc acacacaccc cacatctttt tctctctttc 300
cctctcgtctg tgtgtatgct ctttgtttct tctctctctc cccctctctca cagagagagt 360
acgcactctc tctctctttt ctctctcacg 390

```

```

<210> 690
<211> 390
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

```

```

<400> 690
ggcacgaggt ttttcagtgc atatgctgca caagaacaaa atataaatct gtatggcacc 60
aaaaatcaaa gtgaaaacca aacaaaaaac ccaaacaccc tatgtaacta tcggaggcat 120
atacgtggta taaatgactg tagctgtgat acacacatgg ctacttgtca catcactttc 180
cataattatt tactgcaaaa tgattgagag gcttttgggtg caggcagccg ttaacctcct 240
gcttcctttg ttacctctgg attactttgc agtaaatgac aggtctttta agagatttaa 300
gcttcagttt tctcaaaaaca aaacaattat cctgtcttat ctgaagatgc aggggttgtg 360
gcaaaagagg ctggttataa taatgcctn 390

```

<210> 691
 <211> 392
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

<400> 691
 cggttgctgtc gaaaccaccg tggcacatgt atacctatgt aacaaacctg cactgcctcc 60
 acatgtatct cagcacttaa agtattaaaa aaaaagaaaa gaaaaaaaaa tctgggtgctt 120
 ctgtgaggaa gaaggaaaaa tacagcccca tgtccttgca aaatttatag gctttttgtg 180
 agtttagata tttgctgaag tcctaaatgg agaactgag aggcttgcaa aatccttaag 240
 attcctctgc tttgtttttg ctgtctttat tgaaggaaaa gggaatatag aatataattt 300
 tgccgttttc tttattgtat ttgataacaa gagacaagtt ccagaatctt cttttttaaa 360
 aaacctcagt cacataattt ttgacaccaa an 392

<210> 692
 <211> 392
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

<400> 692
 ttggcagcag cctatctcca actttatggg cttttgtttt tagctatacc atagctgtct 60
 caaatataaac ttgttaaact gaatgcacac ttttcattac taccaccatc ctctaattct 120
 ctgcccctct aaaagctgtc tcttcctgct gtattttctg actttgtgaa tggcagcact 180
 gtctagcaat ttaggtcaaa accatgacta atattagata ctttcctctc catcaaactc 240
 ttttcaatcc cgttacccta ctgctactga ctaggcctgg ataagtgtcaa tgcttatatg 300
 ataaaggctg gataccttaa cctggatttc aagcttgtgg gcaagaacaa atgaaactat 360
 gaaaaaatgg gctgtataaa gggattaag tn 392

<210> 693
 <211> 390
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 693
 ggcacgaggt aggtgtttac ctcaagttag tcaactcagg aacaatgagc acttgaagat 60
 ttttttatatc aaaaggccac agtgaggcca ccttgagtca agccgactaa ggcccctcaa 120

```

cctgtcact aagcagcacg tgacactggc aggaccttca tctccagcat cccaccctg 180
ggtgtgggac tttggggcag ccgtgtgtgc aggtgtcggc acaggctagc tcctcctggg 240
ttggtgtggg gtttgccatt gcagagcaag ctgccacgaa gaccctggg catgattttg 300
cttgtatttc cggaagtggg gttgctgggt catagggcag gtgtaatttt ttttacttga 360
aatgttccac ttcttgttct gggaggtggn 390

```

<210> 694

<211> 394

<212> DNA

<213> Homo sapien

<400> 694

```

tcggcacgag atcaaaaagg aaaatacttt aacgttgaaa gagttgggtca gtacttgaaa 60
gatgaagatg atgatcttgt gtcacccctt aacacagaag gaaaccagtg gtatgacttt 120
cttcaaaata gcagccacct taaagaaaagt cctttgctgt ttcttatta tcctcgaaaa 180
tcattgcatt ttgtgaaaag gcggatggag aatattattg atcagtgttt gcaaaagcca 240
gcagatgtaa ttggaaaatc gatgaatcaa gcaatctgta ttccattgta tagagatacc 300
agaagtgagg attctacacg tagattgttc aaatttcctt ttctgtggaa taataaaact 360
tcaaactctac attatcttct ttttactatt ctag 394

```

<210> 695

<211> 392

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 695

```

cgttgctgtc gggaagataa tggctgcctg agcaacgtct ccgagcaggc gctgggctag 60
aggcgggtct caaccagcta ctcatgggag gcgggcttga gagcggcggc cagggagggtg 120
cggagcagcc tcggcggcgg cggccgaacc aaccgagtcg gatcctgacc ctaaaacctt 180
gtaagtgaag acttggaat cctgtgagaa atgatgtana gcgagaggaa gacagcggag 240
ccgcggtctc cgcgttctct caaaatggcc cgagtgcgcg gtcgtggcag aggctcagcg 300
ccgcctccgg accccaggcc cgttgctgcg gggggctccg tggcgtagtc gccgctgcc 360
ttttagttga gtggtatagt cgacaggctc tt 392

```

<210> 696

<211> 391

<212> DNA

<213> Homo sapien

<400> 696

```

ggagggatat cttaaaagct ttcattgttg tctgatggga gcagatctgg accaaggcac 60
atggggatcc taagaggact aattcatttg gtgacacttc tttttctttg aatttatattt 120
gcaagagctg aacaacaaca aaaatgatac tctcgccagg agtccccggc gtgcagtgga 180
gcctcgctgg gggaaatgac agcttgacc atgggcgccc gcggtctgga caagcgagga 240
agtttcttta aggtaaaagg aagccttgat tgggatctca actcgtcggc ttgctgcctg 300
agcctgggag ctgcggtgct ccatggagct gctgagggaa gtctgctctc tgagccagca 360

```


391

```
<210> 697
<211> 393
<212> DNA
<213> Homo sapien
```

<400> 697						
ggcacgagga	gatagagaga	gagagagata	gagagagaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagggcactc	120
tcttgataa	atctcttttt	tgtgtttctc	tcttccccc	ccctctcttt	ctctctctta	180
tagagcgaca	ccctctcttt	ttgtccctc	tctctcgcgc	ccccgtgggc	gtctctcttc	240
tctctctcca	tttttcacca	cactccccc	acatatatat	atatgagccc	ccccgcgcgc	300
gcgtctctct	ttttttttgt	ctctctcgcg	cgctgtggtt	ttgtctcgca	tcttttcccc	360
actctagagt	gagagcgcg	ccccacacct	ctc			393

```
<210> 698
<211> 390
<212> DNA
<213> Homo sapien
```

<400> 698	
ggcagcagat cacctcctgc tcgggtgctgt ggctcaacaa tgccttccag ggcgctgcgg	60
ggctaggggc ggggctgcc tcctggggcc tggcgcccg cgcccacctg gcacgtgcc	120
ccgccccag gatgtggagt cagagaacgt caacgtggtg aagcggtgt tcaagatcca	180
gaacctcatt gccagcaccg ttgcacggt gatggtggcc gactgcagcc gcttctacag	240
ccctgacctg ctgctggaag ccggtgacc ggccacgtcc cctgcccga tttttgacct	
300gggcagcgac aacgaggagg tgggtgctgc tctggcctcc tcccacgcac atgacgtctt	360
tgaagactat tcttacagcg agctggaggg	390

```
<210> 699
<211> 393
<212> DNA
<213> Homo sapien
```

<400> 699						
cg ttg ctg tgc	gta agc agt c	acc acaga ac	aag cacc gta	tg act ccact	cgc agc aggt	60
cct agatt ca	ccaa attcat	aaag acag ag	agt aga atgg	gggt gccagg	gct ggggtg g	120
gcc caggg gag	tg act gtg ca	ctt ggaacct	gga agccaga	agg taaacca	tct ctaagca	180
caac agcacg	gg agg gcct	tg ctg tgggc	acgg ctgggt	cact caccgg	tc agatgcat	240
ggt ctccagg	ag ctt ggaca	cc agc gcccc	gt ctt cctcc	ag ctccacct	gc acg agggc	300
cag ctt cctg	cgc at cttct	gc agg ccacc	gac gct cctg	gg aggcagtc	agt gccgtct	360
ccct gcgtca	ct ggc agaag	act gaggctc	aga			393

```
<210> 700
<211> 392
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc feature
```

<222> (1)...(392)

<223> n = A,T,C or G

<400> 700

```

ggcacgaggg cttctgattc agggccggcc tggcctgggg gttgagggtc agcagtcagt      60
gaggaggcca ggagaggcgt cccagccttc tcccgccctcc agcccacgcg gggccttggt      120
gcccatgagc tgagcacccc cacaacccta gtcaacggcc ctatcctgtg gggcctctgc      180
cacatctcag cggccccagg tgaatggctg gctgctcagc agctcancac ggagagctgg      240
ggagagaatc tctggctggg gaggggctgc tggagctgct ggacccaggg gtctcccgag      300
gtggctcaag ggagcaggca tcttggggta ccctggggtg aggcagaggg tgcacgtgga      360
agatggcccc agtcagtgga tggtgccagt ca                                     392

```

<210> 701

<211> 391

<212> DNA

<213> Homo sapien

<400> 701

```

cccacgatt cgaattcggc acgagcctcg gggaggagccc ctcagctttg ctctcagcag      60
gggccccgaca agctcagtgg gcagtggcag gaactgagtg ccactggaaa gccatttccc      120
tttattttaga aaacgagctc caggaagccg ctactttgtg tccattttctc ttgaggaaac      180
ttaccacctt ggttgagcgg cttcatggca gacaagcagc gagccagcgg ccggactctg      240
tatttcggac cccactccag tgctccctgg gtcataccaa gatctgcctc tgtccacaag      300
atgagggaaa agatgactgg gcgggctctt tacttcctgc ggactggcgg atttaaaggt      360
gcactcgaac agcaagcctt ttgcgggaaa g                                     391

```

<210> 702

<211> 391

<212> DNA

<213> Homo sapien

<400> 702

```

tcccacgat tccaattcgg caccaggcgg agttggacat cgggcagcac tgccagggtgg      60
agcattgccg gcagcgagat tttcttccat ttgtgtgtga tgattgttca ggaatatattt      120
gccttgaaca cagaagcagg gagtctcatg gttgtcctga ggtgactgta atcaatgaga      180
gactgaagac agatcaacat acatcttacc catgctcttt caaagactgt gctgagagag      240
aacttggtgg agttatatgt ccttattgtg agaagaattt ttgcctgaga caccgtcatc      300
agtcagatca tgagtgtgaa aaactggaaa tcccaaagcc tcgaatggct gccactcaga      360
aacttggttaa agacattatt gattccaaga c                                     391

```

<210> 703

<211> 393

<212> DNA

<213> Homo sapien

<400> 703

```

tcccacgat tccaattcgg caccagcctt gcagtccac cccacactca gccttgtgtc      60
cctcgatcca gtctccgact tccatttccc accctaaacc gcctaccggg tgtctgttcc      120
ccgcccgggt gtctcgcgcc tgctgcgctg agtgtccctt gttagcctcg accccatggc      180
gctgcagacg ctgcagagct cgtgggtgac ctccgcgaag atcctgtctc acttccccga      240
ggagctgagt ctggctttcg tctacggctc cggggtgtac cgccaggcag ggcccagttc      300

```

```
<210> 704
<211> 390
<212> DNA
<213> Homo sapien
```

```
<210> 705
<211> 387          <212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G
```

```
<210> 706
<211> 384
<212> DNA
<213> Homo sapien
```

<210>	707
<211>	387

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

<400> 707
tcgattcgaa ttcggcacga gagattctcc tgctcagcct cccaagtagc tgggattaca 60
ggcatgcgcc accatgcttg gctaattttg catttttagt agacacggga tttcaccatg 120
ttggtcaggc tgggtctcgaa ctcccgacct caggggatct gcctgcctag gcctcctgaa 180
gtgctgggat tacaagtgtg aaccaccgtg cccagctggg tttctgtttc atacatcaga 240
gtcaacttgt gaatacattt aaagattatt tcattttgat atcacgaaga aaaacaggct 300
ttatatctca gactttaact aaatccagnt agaccctcat ttttactgt cagattanat 360
ccccatacct gaaataagtt tacattt 387

<210> 708
<211> 384
<212> DNA
<213> Homo sapien

<400> 708
ggccccggcg agagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 180
agagagagag agcgagagag cgcgcccccc ccctctttgt ttttttggga ggggggaggg 240
aaagaacaca cactcacgcy cccgtttttt tttttttccg cactgcacga aggagagacc 300
cgcgtgtctt ttttttatac tctctatata tgtacacgca gagagagaga cacacacatt 360
tattttctgc actctccctc ccct 384

<210> 709
<211> 384
<212> DNA
<213> Homo sapien

<400> 709
ggcacgagcc accttcaact acaaccctgc tcagcaagcc ttctaaaaaa aaaaaaaaaa 60
aaaaaaaaag cccccctttt ttttggggga gggggggccc caccaaaatc ccaaaaaaac 120
cggaaaaatg gggggggcca accccccggg gttaaatacc ttgggggaatg gggaattggt 180
ttaccccaaaa gggccccctt tgggggcccc ccctaaaaaa aaaggggccc cccaacaaaa 240
aaattggaaa ttggtttttt ttaattggga ccggggccga aatttttcaa aaaattcctt 300
ttttgcccc caacaaaatt gggttttgaa aaaacaccca aacccccggc caaagggttcc 360
cctattttttt aaaaggga aa 384

<210> 710
<211> 388
<212> DNA
<213> Homo sapien

<400> 710

```

ggcacgagggc cgggcgggtgg ccgggggcctc ggccatgttc gcggggctgc aggacctggg      60
cgtggccaac ggcgaggacc tgaaggagac cctgaccaac tgcacggagc cgctcaaggc      120
catcgagcag ttccagacag agaatggtgt gctgctgcca tctcttcagt cagccctccc      180
cttcttggac ctgcacggga cgccgcggct ggagttccac cagtcggtat tcgatgagct      240
gcgggacaag ctgctggagc gagtgtcagc catcgcttcg gaggggaagg ctgaggaaag      300
gtacaagaag ctggaagacc ttctggagaa gagcttttct ctggtgaaga tgccgtccct      360
gcagcccgtg gtgatgtgcg tcatgaaa                                     388

```

<210> 711

<211> 384

<212> DNA

<213> Homo sapien

<400> 711

```

ggcacgaggt cactctgtcg tgctgtgggg atgagtecca gcaccgctgc ccagcactgg      60
atggcagcag gacagccagg tctagcttag gcttggcctg ggacagccat ggggtggcat      120
ggaaccttgc agctgccctc tgccgaggag caggcctgct cccctggaac cccagatgt      180
tgcccaaatt gctgctttct tctcagtgtt ggggccttcc atggggccct gtcccttggc      240
tctccatttg tccctttgca agaggaagga tgggaaggac accctcccca ttctatgcct      300
tgcattttgc ccgtcctcct cccacacaatg cccagcctg ggacctaaagg cctctttttc      360
ctcccatatt cccactccag ggcg                                     384

```

<210> 712

<211> 387

<212> DNA

<213> Homo sapien

<400> 712

```

ggcacgagggc gacacccaga ccgagacctc gggaatgtct cgggcccttg ccgcctctc      60
ccggcccggt tctctttcac taaaaatagg cgattctggc agcgccctc ctatggggcc      120
ttgggggcaa ttggggtttt gtcttagagc ccgtgtggac ccgatggcg acggcagccc      180
gaggagaggg agggctgact gtatggttgg ctttccgacg accagacct gcaggattcg      240
gcctttccct ttggagtttt cctccatccc cctccgtccc tcccagggga tgccgcaggg      300
ccacagtggc cactgaaggc caacctgag ccgaaggaga agaggcctcg accctgggga      360
ccccttcagg tgcagcttga ggaggag                                     387

```

<210> 713

<211> 385

<212> DNA

<213> Homo sapien

<400> 713

```

cgttgctgtc gattttgtga tgagtctcta gaatgattaa atgactatth ttttatgaaa      60
aattttttgt taataaaaata tctgagggtg ttttgagtat gtggaaggaa tgctgaata      120
gaagctgac tatcttaaca tacctcaaga actccagttt taatatggtg agtgaggagt      180
tgactgggaa aaggagagat ccaattcttg ttctagtcct tggcacatac actctctggg      240
ttttgagaaa aggatggtcc tacaacgatt ctaagtgtt ttctcattgg tctacaaca      300
attctaagtt gttttctcaa aggcaaaagc atgatttcaa aatgacatca cttgtccgat      360
tttctgtgga tggaaagatt taatt                                     385

```

<210> 714

<211> 389
 <212> DNA
 <213> Homo sapien

<400> 714
 ggcacgagat cgcctggctg cagattgtgg tccgcaacga ctactatcct gacctccaca 60
 ggggtgcggcg cttcctggag agccagatgt caccgatgta caccatcccc ctgtacgagg 120
 acctctgcac cgggtgccctc aagtccttcg cgctggaggt cttctaccag acgcagggcc 180
 ggctgcaccc caacctgcgc agagccatcc agcagatcct gtcccagggc ctgggctcca 240
 gcacagagcc cgcctcagag cccagcacgg agctgggcaa ggctgaagca gacacagact 300
 cggacgcaca ggccctgctg cttggggacg agggccccag cagtgccatc tctctcaggg 360
 acgtcaatgt gtctgcctag cctgtttgg 389

<210> 715
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 715
 ggcacgaggg gatatgtgat gacatttttg aatgtattga actttgggtga tcaggggtgtg 60
 tatgatatag tgaataatct tggctccctt gtggccagat taattttcca gccaatagag 120
 gaaagttttt atatatTTTT tgctaagggtg ctggagaggg gaaaggatgc cacacttcag 180
 aagcaggagg acgttgctgt ggctgctgca gtcttgaggt cctgctcaa gctggccctg 240
 ctggccggcc tgaccatcac tgtttttggc tttgcctatt ctacagctggc tctggatata 300
 tacggaggga ccatgcttag ctccagatcc ggtcctgttt tgctgcgttc ctactgtctc 360
 tatgtttctc tgcttgccat caat 384

<210> 716
 <211> 388
 <212> DNA
 <213> Homo sapien

<400> 716
 ggcacgagct ccatcgccaa gatcttgccc cagcagacag gccgtagggg gctgacgggtg 60
 gatgctcgta accacggtga cagccccac agccagaca tgagctacga gatcatgagc 120
 caggacctgc aggaccttct gcccagctg ggctgggtgc cctgcgtcgt cgttggccac 180
 agcatgggag gaaagacagc catgctgctg gcactacaga ggccagagct ggtggaacgt 240
 ctcatgtctg tagatatcag cccagtggaa agcacagggt tctcccactt tgcaacctac 300
 gtggcagcca tgagggccat caacatcgca gatgagctgc cccgctcccg tgcccgaaaa 360
 ctggcgggatg aacagctcag ttctgtca 388

<210> 717
 <211> 389
 <212> DNA
 <213> Homo sapien

<400> 717
 ttcaaatcgc gcacgaggcc agagtcgccc tggttttcta tggcgtcttc caggaccgga 60
 ccttgcacgt gaggtatacg gacatcgact accaggtctt caccgacgcc gcgcgcttcg 120
 tcacggaggg gcgctcgctt tacctgagag ccacgtaccg ttacaccccc ctgctggggt 180
 ggctcctcac tcccaacatc tacctcagcg agctctttgg aaagtcttc ttcacagct 240

gcgacctcct caccgctttc ctcttataacc gcttgctgct gctgaagggg ctggggcgcc 300
gccaggcttg tggtactggt tgcttttggc ttcttaacca cctgcctatg gcagtatcca 360
gccgcggtaa tgcggactct attgtcgcg 389

<210> 718
<211> 381
<212> DNA
<213> Homo sapien

<400> 718
cgttgctgtc ggggtggggcc tcgggatgca gccgcccgtg cccggggccc tgggcctgct 60
ggaccccgca gaagggtttt cgaggaggaa gaagacgtcg ctctggtttg tggggtctct 120
gctgctggtg tccgtcctca tagtcacgt cgggctggct gccaccacca ggacggagaa 180
tgtgaccgtt gggggctact acccagggat cattctcggc tttggatctt tcttaggaat 240
tattggcatc aacttggtgg agaatagaag gcaaagtctg gtggcagcga tcgtgtttat 300
cagttttggc gtggtggccg ccttctgctg cgccatcgtg gacggcgtat ttgcagcaca 360
gcacattgaa ccgaggcccc t 381

<210> 719
<211> 381
<212> DNA
<213> Homo sapien

<400> 719
ggcacgagat aaagttgcta ggaaataact aaaattgggg aaataatcta ataatagcaa 60
gatgttaagc atactattat tgtattttgg gggttggtaa taacattcac atggatttat 120
caatacacac tgagaagcaa agcctctcaa gctgtcccat atcctccatt tcaaaggcac 180
acatacattt taggtaactc ataatttaga aagggtattt aatcttttcc acatgtaaatt 240
atttgaatat gtacaaagac ttgatttgac tcttgtctgt ttttgttttg ttttgtttgt 300
ttgagacaga ggctccgtcg cccaggctgg agtaaaatgg catggtctca gctcactgca 360
agttccgcct cccgggttca c 381

<210> 720
<211> 382
<212> DNA
<213> Homo sapien

<400> 720
ggcacgagcc tatctccaac tttatgggct tttgttttta gctataccat agctgtctca 60
aattaaactt gttaaactga atgcatcatt ttcattacta ccaccatcct ctaattctct 120
gcccctctaa aagctgtctc ttcctgctgt atttctgac tttgtgaatg gcacgactgt 180
ctagcaattt aggtcaaaac catgactaat attagatact ttcctctcca tcaaattctt 240
ttcaatcccg ttaccctact gctactgact aggcctggat aatgtcaatg cttatatgat 300
aaaggctgga taccttaacc tggatttcaa gcttgtgggc aagaacaaat gaaactatga 360
aaaaatgggc tgtataaagg gt 382

<210> 721
<211> 383
<212> DNA
<213> Homo sapien

<400> 721

cgcaccagca	tatggactcc	ctgccgtgga	ttgatcggaa	ttcagcatgc	tgcgaaggaa	60
ggtagaagt	gtaacacggg	ttttcgagga	ttatcgtcac	gaggagcatg	cacacaatgt	120
caacactgct	ttttagtga	tgaccatata	ttcagcatgt	cgtttctgga	ttattaccta	180
caaaatctga	tgttaaata	agtagtattt	atacttaata	tttcatcttg	atcataatga	240
attgtgcata	ctttttttca	tttaagtatt	gtactgttga	aaattatacc	ttagttctgt	300
ttttagtatt	agaaaatcaa	aattatacta	gcccccttgt	ccagacagca	acctcttaga	360
tgctgactct	atatgtgtaa	ttt				383

<210> 722

<211> 382

<212> DNA

<213> Homo sapien

<400> 722

ccatcgattc	gaattcggca	cgagctgtga	agaaggccca	gtgcatataa	agtacacaaa	60
tttctttgaa	aaggccccgt	caccgtagtg	tgggtattca	agccaaagt	aaagcgtttg	120
gaaaaagact	gtgtaatgca	actactcaga	cagaggaatt	gtggtctaga	acttcctctc	180
tctttgacat	ttactccagt	gattcagaaa	cagatacaga	ctgggatata	aagagtgaac	240
agagtgattt	gtcttatatg	gctgtacagg	tgaaagaaga	aacatgtaa	aaactcaaca	300
tcaaagctc	tgatgtgcta	tagattttca	aatctttact	cacataatta	tctctttgct	360
attggagaac	cttcacttca	ag				382

<210> 723

<211> 382

<212> DNA

<213> Homo sapien

<400> 723

cccacgatt	cgaattcggc	acgaggagag	gaacgggaag	gcagaaagg	ggagtagcag	60
acaaaggcca	agtggggata	cgcagccttt	gggaggcaag	gaatcataaa	accatttcac	120
ataaaagctg	aagaggatct	ccaaaacctta	gcccacattt	ctccttttat	gggtggaaaa	180
agagaacccg	agttgacaca	ttgttaccgt	gagagccggg	cctggaatgc	agatagatgc	240
acaaagatag	ctagaagtga	gaggcgggaag	cgcatgggcc	cagggctgtg	atggcaggag	300
gaggtgaggc	gggcaggctg	gccccaaaga	gtccttgggt	cctcagctcc	atggggctgt	360
gactgctect	ctggggccct	tc				382

<210> 724

<211> 383

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(383)

<223> n = A,T,C or G

<400> 724

ggcacgaggt	actcccctgt	ctcacctggg	gcaacctcag	agccccacta	agctgaaggc	60
cccctggggg	agggggggga	ggggtcctta	tcacttgccc	tatcttgccc	cttcctgtgg	120
agtgggcaga	agggctccc	ggatcctcag	agctcccagg	tctgagcagc	caaaggccca	180


```

gctgggcctc caggaccagc gcgagccctt gccccaccct cccctgccac atgtgccctg 240
ctttgtgacc tctgttgacc ttcctggaag cagccccatt accctgagaa tgcggagcgc 300
cctggccac ctcgcctgt gtttccaggc ctgcacgtct ggtccttcag ctgcacatgg 360
aactgcaggg caggctggcg gng 383

```

```

<210> 725
<211> 381
<212> DNA
<213> Homo sapien

```

```

<400> 725
cgttgctgtc gcaggaattg gggatgtgcc cctggtgatt ctattggatg acctgagtga 60
agcaggctcc atcagtgagt tggtaaatgg ggcctcacc tgcaagtatc ataaatgtcc 120
ctatattata ggtaccacca atcagcctgt aaaaatgaca cccaaccatg gcttgcaactt 180
gagcttcagg atgttgacct tctccaacaa cgtggagcca gccaatggct tcctgggtcg 240
ttacctgagg aggaagctgg tagagtcaga cagcgacatc aatgccaaca aggaagagct 300
gcttcgggtg ctcgactggg tacccaagct gtggtatcat ctccacacct tccttgagaa 360
gcacagcacc tcagacttcc t 381

```

```

<210> 726
<211> 383
<212> DNA
<213> Homo sapien

```

```

<400> 726
tcgattcgaa ctcggcacga gaagcaatgg ggaattcatt actttataga ggcatacaag 60
tgccagaccg tgatagccca atcattcttg cgagcattcc aggcccacaa agaagaaaac 120
tgggctctgc ctgtcatgta tgcagtagcg cttgaccttc gagtgtttgc caataatgca 180
gatcaacagt tggtaaataa aggaaaaagc aaagttgggg acatgtttgt aaaaagcagc 240
agagttactg atgagctgtt tccgggtctg tgccagcgac accgtgctg gtatagagga 300
ctctaagaag aggcgcagtc tgcttctggt gaaccagctg tttaatatct acttcaagat 360
caacaaactc catttatgta aag 383

```

```

<210> 727
<211> 381
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

```

```

<400> 727
ggcacgagga ggtgatgagc ctcaacgagc actccatgca ggcgctgtcc tggcgcaagc 60
tctacttgag ccgcgccaa gcttaaagcct ccagccggac ctcggtctctg ctctccggct 120
tcgccatggt ggcaatggtg gaggtgcagc tggacgctga ccacgactac ccaccggggc 180
tgctcatcgc cttcagtgcc tgcaccacag tgctggtggc tgtgcacctg tttgcgctca 240
tgatcagcac ctgcacctcg cccaacatcg aggcgngag caacgtgcac aatctcaact 300
cggtaagga gtcccccatg agcgcatgca ccgcacatcg agctggcctg gccttctcac 360
cgcacgcac gctgtcttnc t 381

```

<210> 728
 <211> 382
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(382)
 <223> n = A,T,C or G

<400> 728
 cgttgctgtc gacgccccac catgggggtct actctcggga ggaggagctg ctgaggggagc 60
 ggaaacgcct ggggggtcttc ggcacacact cctacgactt ccacagcgag agtggcctct 120
 tcctcttcca ggccagcaac agcctcttcc actgccgcga cggcggcaag aacggcttca 180
 tgggtgtccc tatgaaaccg ctggaaatca agacccagtg ctcagggccc cggatggacc 240
 ccaaaatctg ccttgccgac cctgccttct tctccttcat caataacagc gacctgtggg 300
 tggccaacat cgagacaggc gaggagcggc ggctgacctt ctgccaccaa ggtttatcca 360
 atgtcctgga tgaccccaag tn 382

<210> 729
 <211> 374
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(374)
 <223> n = A,T,C or G

<400> 729
 tacggctgcg agaagactac anaangnnaa aaattcattt catggacatc ttgttgccag 60
 gagatcagtg tgattcactt ttcatttcag gatgatgttg agtcctctgt gttattccca 120
 gtgtggacgt ggagtagtga ctgatgtcta attatttga agggagagag cttctctaag 180
 aaggacatgc aatgtcagaa gcttccgttg cttggcaaca cgtaacttta cctatgtttc 240
 accaaaggca gtttaaaggc ctaaagatgc ccattcaggc aatagtagat tacaaggaag 300
 atctcgaaag ctggcccgtc aaaatcgctt tccaccatag aaataaacac ctaagagagg 360
 gtttgggacg tgag 374

<210> 730
 <211> 376
 <212> DNA
 <213> Homo sapien

<400> 730
 actacagctg cgagaggacg acagaagggc agagcatcct ttgtaaactc agacttctct 60
 caggaaagcc tttcttatta taactgatat tccttgggct gaaactcaca cctgttcctc 120
 cacttctgat gcagagacaa agaggattct tgaccccaaa ggacctccta gatcattgct 180
 tcaacctttc cattttacag atgagacaac tgaggactat accaaatgtg gggagaaatg 240
 gtgccaaaac ccacttcccc tacttgctaa tcagtgcggt ttctgttgct ctagtagtac 300
 ctttctttct cacataccaa catacgcgag tcggttctac aacagggcct ttcacccggc 360

aagccagagt ctgttg

376

<210> 731
 <211> 373
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(373)
 <223> n = A,T,C or G

<400> 731
 cggtgctgtc ggtgaagtcc cctccctttg gcgtgagccg agctagcaac ttgcttctaa 60
 ccagtaggat gcatccaagt tgatgctgtg ccttcctccc gtgattacat tatgtgggct 120
 tagaacttct tccttgacaa cagatgggtct cccctgctgg ctgtggtgga gcaggctgcc 180
 atatagagag gccatgtggc aaggaactga ggggtggcctc ccccggcagc cagcatgcag 240
 ttgaagcctc agtcccatgg ccacaagtaa ctggatgcta caacaagcag atgaccctgg 300
 aggaccctc cccagatga cctggagga cccctcccca gtctagcctt gagatgacac 360
 cccagcctgg gcn 373

<210> 732
 <211> 373
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(373)
 <223> n = A,T,C or G

<400> 732
 ccatcgattc gaattcggca cgagctggac ttctgggtta agagacttag gttttggaaa 60
 ggctgggtgca atcagatcag aaaatgacta cacttaaaaa caaacaacaa atatagcttg 120
 caaaggagta agcaaggctg tgctgtggag atcaaagtca gccaatggta aaactctaaa 180
 tgacaaaagcc actgaactcc cagggtcttc cttggttaca aaattgtcaa tggaaagtga 240
 tttgtaattg tgcacaatca agagtgtttt tctctttaa gtccttcctt aggagaagca 300
 ngttgtgtgt gtgtgtgtgt gtgtgtcaag gtatgtgtgt gtgtcgngt gtgtgtggtg 360
 tgggtgtacat gtg 373

<210> 733
 <211> 376
 <212> DNA
 <213> Homo sapien

<400> 733
 tacggctgcg agaatgacga cagaaggggt ctttaaattg gggctgattt caagtaacct 60
 aaaagactgt gttatcagag gaagaggtcc caaatttggg gttaaagatgg gagaaaataa 120
 atatgtgcta tttccttggc gagttggggg aatttgccac cttacagagt ttgtatcact 180
 gaattagctg cttttgtttt tttttttttt ttttttttgc ccggcctttg gggggggggg 240
 tgttttgcaa cctgggtttt aataagggga taaattttt taacaatgaa agggcccga 300

aaggggaaat ttttatgggg tggggaatgc caaaaaaaca aaatgggggg gaaaaaata 360
 tttgggtaca aagggg 376

<210> 734
 <211> 376
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(376)
 <223> n = A,T,C or G

<400> 734
 tacgtttgcg agaagacgac agaagggagg gcttgcacga taccctcaga tgtttctggt 60
 ctaacctacc tgggcttttag gctgagtaca taagcaagtg agggttttct aacgatagaa 120
 gatattgtctc tgccacttgg aagtcccagg cttagtgaga agcatctacc atagaggaca 180
 ggaggaacac atttcccact gtgccccggg aggaagtgtc gcctcagcag cacacagtgg 240
 ctacagagct gcacacctgg ataaacccag gataagacaa cgtttgccag acaaattctg 300
 tcgctggctc tcccaccccg tctaagaatg tgtcctgtta cattacgaan agcaacacat 360
 cacaactgag attctg 376

<210> 735
 <211> 373
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(373)
 <223> n = A,T,C or G

<400> 735
 cccatcgatt cgaattcggc acgaggcagg actgggtcac atcattggac ctataaaaga 60
 agatcacgtc cggatttccc aaggactcca ggtggaaaag ttcagctggg gaggtgattc 120
 catccagagt catattctgtt gtcaccccaa taagtcgatc agcaaggctg acaggctgtg 180
 aggaaacccc ggctttagtag cctgtcacct ctggggggat gatgactgcc tggcagacgt 240
 aggctgtgat agatttggag aacctgact caccctcagg aatccggagg tcagtacat 300
 tgtcggtgca cacagacatt ntctacctt ggtttccaca gagactgagg gtaaagtgat 360
 ggaagtattt can 373

<210> 736
 <211> 373
 <212> DNA
 <213> Homo sapien

<400> 736
 tactgctgcg agaagacgac agatgggatt tcccccttgg gccaccggct ttaggggtgcc 60
 ccaaaacccc cactctgccc cacagggtcg ccaaagccag cctccttgac aacatctggc 120
 tgacggggag gggagggcag taagagccgc cacagaaaac aggaattcat ggggggagtg 180
 gggttgagga ttaacgttga gtttcaagac atccctcgct ccagcccact ctgtgagctg 240

```

tctgtggctc cgcctacaca cagctcctca ccctgaagct gctgggttcc cctgcatcac    300
acgcccacct tccccagtga acccagccac cagatttgac acaggatccg gtgactgctc    360
aggcctcagg agg                                         373

```

```

<210> 737
<211> 374
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

```

```

<400> 737
ggcacgaggg caggagcagg acaggacggg cgttcgcggc catggccgag ctcccggggc    60
cctttctctg cggggccctg ctaggcttcc tgtgcctgag tgggctggcc gtggaggtga    120
aggtaccac agagccgctg agcacgcccc tggggaagac agccgagctg acctgcacct    180
acagcacgtc ggtgggagac agcttcgccc tggagtggag ctttgtgcag cctgggaaac    240
ccatctctga gtcccatcca atcctgtact tcaccaatgg ccatctgtat ccaactggtt    300
ctaagtcaaa gcgggtcagc ctgcttcaga acccccccac agtgggggtg gccacactga    360
aactgactga cgtg                                         374

```

```

<210> 738
<211> 377
<212> DNA
<213> Homo sapien

```

```

<400> 738
ggcacgaggg gatatgtgat gacatttttg aatgtattga actttggtga tcagggtgtg    60
tatgatatag tgaataatct tggtccctt gtggccagat taattttcca gccaatagag    120
gaaagttttt atatattttt tgctaagggtg ctggagaggg gaaaggatgc cacacttcag    180
aagcaggagg acgttgctgt ggctgctgca gtcttgaggt ccctgctcaa gctggccctg    240
ctggccggcc tgaccatcac tgtttttggc tttgcctatt ctgagctggc tctggatata    300
tacggagggg ccatgcttag ctgaggatcc ggtcctgttt tgetgcgttc ctactgtctc    360
tatgttctcc tgcttgg                                         377

```

```

<210> 739
<211> 373
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

```

```

<400> 739
cccacgatt cgaattcggc acgagcacag ctggggccgg tggctccgga acgagatcgg    60
gaagtaaaca gtccactaac cctgccgata actatcatct ggcccggagg agaaccctgc    120
aggtggttgt gagctccttg ctgacagagg cagggtttga gagtgccgag aaagcatccg    180

```

```

tggaacgct gacagagatg ctgcagagct acatttcaga aattgggaga agtgccaagt 240
cttactgtga gcacacagcc aggacccagc ccacactgtc cgatatcgtg gtcacacttg 300
ttgagatggg tttcaatgtg gacactctcc ctgcttatgc aaaacgggct cagaggatgg 360
tcactactgc tcn 373

```

```

<210> 740
<211> 368
<212> DNA
<213> Homo sapien

```

```

<400> 740
ggcacgagag tagagacggg gtttcgcagt gttagccagg aaggtctcaa tctcctgacc 60
tctgatccg ccgcctcgg cctoccaaag tgctgggatt acaggcgtga gccaccgcgc 120
ccagtgtgc atttctggtt tctaagaatc aaaccacttg gctgttttta ggagttactt 180
cccatgttat aaagctgagg aagctttttt tttttttttt tgaaaaaaag tttttgcccc 240
ccgggggggg gggcgggggg gaattttaac ttccgggggt aaagaaattt tcttgccctaa 300
ccctttggag aacaaaaaat aaaggggggg ccccaaccgc ggggggttat ttttttggtt 360
ttttaaga 368

```

```

<210> 741
<211> 370
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (370)
<223> n = A,T,C or G

```

```

<400> 741
tacggctgcg agaagacgac nnnngggact tcttcacaag ccacttatac cctttggcat 60
tgttttcttt gagcacatgg cttcttttgc agnttttccc cctttgattc agaagcagag 120
ggttcatygt cttcaaacat gaaaatagag atctcctctg cagtgtagag accagagctg 180
ggcagtgcag ggcattggaga cctgcaagac acatggcctt gaggcctttg cacagacca 240
cctaagataa ggatggagtg atgttttaac gagactgttc agctttgttg aaagtttgag 300
ctaaggtcat tttttttttt tctcactgaa aggggtgtgaa ggcctaaaga ctttccttat 360
gtaaaattgt 370

```

```

<210> 742
<211> 371
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (371)
<223> n = A,T,C or G

```

```

<400> 742
tacggctgcg agaagacgac nganggncaa gatcaagatt tttttcctaa agagccattt 60
ggcttatatt agcttcaagc caagccaggg catctgagaa ataccaagcc tccgttgtga 120

```


tg

362

<210> 746
 <211> 367
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(367)
 <223> n = A,T,C or G

<400> 746
 tacggctgcg agaagacnan naaaggggga cctcatgtgc gatacatcca aaagcctgac 60
 aacagtccct gctccattac tgactctgtc aaacgggttc ccaaagagga ggccacagag 120
 ggggaatgcca ccagcccacc acagaaccca cccaccaacc tcaactgtggc caccgtggaa 180
 ggggtgcccct catttgtcat cttggactgg gaaaagccac taaatgacac tgtcactgaa 240
 tatgaagtta tatccagaga aaatgggtca ttcagtggga agaacgagtc cattcaaag 300
 acaaatcaga cattttccac agtagaaaat ctgaaaccaa acacgagtta tgaattccag 360
 gtgaaac 367

<210> 747
 <211> 361
 <212> DNA
 <213> Homo sapien

<400> 747
 tacggctgcg agaagacgac agaggggagc ttgaaaaag gacctggttg ccaaagtacc 60
 atattaccca tcaatgtcct ctccatccca ttccctttt tcacaccctc taaatctcta 120
 taagcaaatg cggaaaatgc aaactaagct ttgaacagaa tcaaatgagt ccctctggga 180
 cacttgacag ggacttattt cttccgaagg atgtgacagc agcttctccc aatagtggca 240
 gcgtttgttt cactgttaga ctggaggagc acaaggagca tacaacatgt ggctctgtcc 300
 acaccactgt gaagtgtgtg gttctgagaa attactgggg ggagtgttaa aacaagattg 360
 g 361

<210> 748
 <211> 351
 <212> DNA
 <213> Homo sapien

<400> 748
 tacgggttgcg ataagacgac agaaggggga atttaggtag aatcaaggct cataaccttt 60
 atgaaaatac cctaagcagg gaacctttta tttattttga agtggttgag ttttactaaa 120
 agcccatcat tgccagtgtg gtttttttaa atggacagcc atagtggcta aggagaccag 180
 taagacctgg agttggcagc agagttagcc ttctgaggaa aaaaggaaga ggaatattgg 240
 tgtgggaaag aggtgcagct gtgccactgg atccctgtcc cttcattatt ctttactggc 300
 cctggcagct gtcaaagttt gcttaataga gttgtgggct ggagattgtt t 351

<210> 749
 <211> 351
 <212> DNA

<213> Homo sapien

<400> 749

tacggctgcg	agaagacgac	agaagggcg	gaggtgtagg	ttgcagtgag	ccaagattgc	60
gccactgtac	tccagcctgg	gccacagagt	gagactctct	ccccaccact	ccccaccca	120
aaaatgcaga	aggataaaga	gatcaagaga	gaagacaaca	gaaaacaagt	aaattcgtca	180
aaaattcaga	ggctggaaca	caatatatga	gatgagtgc	aaaccagcat	aattggagaa	240
agctgaaacc	tgaggtggt	ggtgatgggc	tcagttctta	gaggtactgt	atacttctga	300
ggtacaggg	aaatggaaag	ctgaaaaaag	gaaaattgat	tgaaagtcca	a	351

<210> 750

<211> 350

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(350)

<223> n = A,T,C or G

<400> 750

taaaantncg	agaagacgac	agaaggggta	ctcagatagg	taaagaacaa	gtccagtgg	60
gctgacagca	atggaattta	aaacttgatt	ctaataatct	ctgagtcctg	aaggaatgcc	120
acgcagacat	ccgtttgagt	cacgagcttg	taactgagga	tttgacaaag	attgagtcct	180
cactgtgtgc	caggcaccat	gctaaatttt	gtgctaggca	cttgggatac	tctttcagac	240
aagactttgt	ccctgctcac	agagaaatct	gatagggttg	cctatagtca	ctcttttcta	300
aacttgacct	atctacctga	attaaccgaa	ggagctgggt	agaaatacag		350

<210> 751

<211> 349

<212> DNA

<213> Homo sapien

<400> 751

tacggctgcg	agaagacgac	aagaagggcc	aaggtggggc	caggctctga	gagaatcttc	60
attagagaac	ggcgctcctg	gagacgctgg	acatagcttc	ggagctggaa	agccacttcc	120
tgtgggggtg	gcttatccac	actgctgcct	tcagggtctat	agaaaacaga	aaaggtgcct	180
atgtcaacac	tggcaggcat	aggtgggtta	agttcatgcc	aatcctggta	gggtccatca	240
ccttccatct	cactggccac	gatggaatct	atgccatctt	tggtgggtccc	tgtcacacca	300
acatacccca	ctaggcacca	ccttccatca	agaccacatg	gtggccagg		349

<210> 752

<211> 634

<212> DNA

<213> Homo sapien

<400> 752

tactgttgcg	ataagacgac	agaaggggct	cggctcactg	caacctccgc	ctcccgggtt	60
caagtgattc	tcttgcttca	gcttcctgag	tagctgggat	tacaggcatt	caccaccacg	120
cccggcta	tttgtctttt	tagtagagat	ggggtttcac	catgttggcc	agcctgggtc	180
tgaagtcgtg	acctcaagtg	atccacctgc	cttggcctgg	aagcacgtac	attattgcga	240

```
<210> 753
<211> 605
<212> DNA
<213> Homo sapien
```

```
<210> 754
<211> 224
<212> DNA
<213> Homo sapien
```

```
<220> .
<221> misc_feature
<222> (1)...(224)
<223> n = A,T,C or G
```

```
<210> 755
<211> 491
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G
```

agttaaacc	ttgaaacagc	ccctgatatc	tctgcaaaac	nccaccgann	cgaattcggc	60
acgaggaggc	ttacagccct	gcaggcccat	ctgggcagca	tagccccctt	tcttgttctg	120
ggtgagtc	ttccgggggc	gacgacacga	caggaccagg	tggagcagtt	cctggcccgg	180
cacaaggggc	caggcctgca	gcacgtgggg	ctgtatacgc	ctaacattgt	ggaggccact	240
gagggggtg	caactgctgg	aggccagttc	ctggctcccc	ctggggcata	ctaccagcag	300
ccaggaagg	agaggcagat	ccgagctgca	gggcacgagc	ctcatctgct	tgctcgacag	360
gggacctgc	tagatggtga	taaaggcaaa	gttctgcttc	aggctttcac	caaagccctt	420
tttactgagg	acactttctt	cctggagctg	attcagaggc	agggggccac	ttgctttggt	480
cagggccaca	t					491

<213> Homo sapien

<223> n = A,T,C or G

cttttgccg	aagcggccta	cggtgcgag	aagactacag	aagggatatt	tgtattacac	60
gttaatgcct	tggagttagc	taggccagtg	aagtgatggt	ggaggcgata	ttccagctaa	120
gaggaccaac	atgtgtgaaa	gccacagaga	catgaaacaa	tatggcacag	aaggataact	180
tgactaat	ggctacagtg	tacagtacat	gtgtggagct	gcaagagggg	gaagtaggct	240
aaggccatgg	cggtcctgt	atgctgtgct	aagaagtttt	aataccggct	tgaggccatg	300
atagcacaaa	ggtgtgataa	tctacctacc	cagagagatc	aaagttagct	ttccacagaa	360
gttaacggtg	aacagtaagt	atagggttggg	ccagcggatg	acagtggagg	agtacaccaa	420
gaagaacaac	ggagggtatat	ataaacagca	cgttatgn			458

<213> Homo sapien

<223> n = A,T,C or G

ggcacgagca	gaggaggaag	tctcagaacg	agtgcactt	cacatttggtg	cttctacaaa	60
aaaaatattt	tgtcgaactt	atgatatcca	tgatccaaag	agttcagcaa	gaccagcaga	120
ttggaagtat	caaagtggat	tatcatcctc	atggctttct	ttagagtgtg	cagttcacat	180
taatattcac	atcccacttt	ctgctacttc	tgtcagctat	actctggaga	aaaatacaaa	240
gaatggactt	acacgctggg	ccaaggaaat	agaaaatggt	gtttatttga	ttaatggaca	300
agttaaagat	gaagattgtg	acctattaga	aggacagaaa	aaatcttcta	gaggaaatac	360
tcaagcaact	agtcattctt	ttgatgtcag	agtgcctaaca	gcagtgcctcc	tgaattcaga	420
ccacagattc	acaagcacag	tccagatatg	tagcgcttn			459

<210> 758
 <211> 439
 <212> DNA
 <213> Homo sapien

<400> 758
 ggcaactgagg cccagcgaag agcaacaacc ccaagactgt gaaagactaa catccattct 60
 gaaataggag ataacaaggc tgccatggat ctgaacacca ccttccttga gaacagccag 120
 gagcccaactt ggattcaaga gtgactttga acttgttttc acacctccaa cagactctca 180
 ttaagattca gttatttccg ctgcccagcc ccacactcct ttcagattat cgttcatggg 240
 cgtaagtctc ttctcagagt taacaagcct ttgggagtc tctcttgccc aaatattgga 300
 tattattaaa aggcattttt aataattacc agaattagct caaaccttta gggatctttc 360
 agccatgagt attaaggata tggatgtgag ttttgggaaa cctctcgtgc tggatgccag 420
 ctacagcagg tccatgggtg 439

<210> 759
 <211> 441
 <212> DNA
 <213> Homo sapien

<400> 759
 atacgcacga ctccgctcga tttgcaagat cccatcgagg caaattcggc acgaggggaac 60
 tttgagcaca ggaggaaatg caaccagtca gggcccagaa tcatgcaaat ctcaggggta 120
 tgcctctctg gggaggagct ccacttgcat ggactccttt tatttcccta agaaagagct 180
 gaaatgactg agaactttcc ttctcctcct agagttacaa ttttacttct gctattccgg 240
 agcccatgcc tagaagccag aacaactcca tgttacactg agttcatgct cctatttact 300
 gatcacaaat gagctcatta atgtcatcga aacatttatt gtaacctaac agaccatcac 360
 agattggaat cttggttagat agcacagcat ggtattagtg aaaaagggtc aaaaatacac 420
 atgtaacata cactctgaga g 441

<210> 760
 <211> 444
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(444)
 <223> n = A,T,C or G

<400> 760
 ggcaacgagct gtttccttcg gctttcctcc tctgctcca ccatgtggag ccgacggcag 60
 ggccgcctca ggcccacggt ctgcggggtg gaggagctac ggcgccgccg gcgggagcgg 120
 gagcactgcg gaaggcgcgg agggagcagc agctggtcag caagaggctg ctgagaaacg 180
 acgccccaaa agaagctgga gagggatgtg tggctgcgat cctcggggaa accgaggtgc 240
 agcagttcct gcggcaagcc cagcggngga cagaggaaaa ggagagagag ggggctctgg 300
 tcagccttcg tcgaggcttg cagcaccctg aaacacagca aaccttcac cggcttgagg 360
 gcagcatgcg gaccctgggt cggctcctga ccagcaacca ngccctgctg cagcttgagg 420
 cggctcgggtg cctgcatgag ctct 444

<210> 761
 <211> 432
 <212> DNA
 <213> Homo sapien

<400> 761
 ggcacgaggc ggcctgcaca atggcggctc tgaagagttg gctgtcgcgc agcgtaactt 60
 cattcttcag gtacagacag tgtttgtagg ttctgtgcga gagtaacttt ataaaactgt 120
 gtttctcaca gttgataata tcatagcata agactgtgac gattggctgt ggagtatccc 180
 tgtgagcagt tcctattgca cagaaatcag agcctgattc ccttagtagt gaagcattga 240
 tgaggagagc agtgtctttg gtaacagata gcacctctac ctttctctct cagaccacat 300
 atgcgttgat tgaagctatt actgaatata ctaaggctgt ttataacctt acttctcttt 360
 accgacaata tacaagttaa cttgggaaaa tgaattcaca ggaggaagat gaagtgtggc 420
 aggtgatcat ag 432

<210> 762
 <211> 429
 <212> DNA
 <213> Homo sapien

<400> 762
 ggcacgaggt gaggggtgtat gagattcttc agggagaggt tcaaagggtg ctggtggcca 60
 tgtcgtaagt gctgagaatg cctggctgcc gttggcacca tcatcaactg gggtcaggca 120
 ggggtggcag gaaggcctgg gggcctttcc ttggggaagg gcacgcaccc cctgtcataa 180
 aacctcccat ggctcccaag agtacatgga ataaaaatcct caactccaac aaagctttcc 240
 tggactctct ggggctccct gcagcctccc tctcagatga attcactgcc tcccgcgccc 300
 ctctactagg ttccaaactc taccattcaa aaaatgcgta cgagggctgg ggggcgacgt 360
 gccacgtgcc agccctatgc aaggggccagg agtcctgtgg ccgcagcagt tctagggacg 420
 ggacacgcg 429

<210> 763
 <211> 426
 <212> DNA
 <213> Homo sapien

<400> 763
 ggcacgagga gagaactagt ctcgagacta gttctctcct agtctcgaga gcagtttttt 60
 tttttttttt ttttttaaag gggccccccc cccgagaaaa gggcgcgccc cttaaggag 120
 ggcccccccc ctttttcccc cttaaaaaaa accccaaaat ttggatttaa ccgggggggc 180
 ccccgggccc tgggggggaaa agcccccccc cccacaaaaa gggggcccc attttttaaa 240
 cccaaaagac ccccccttt tttaaattggc cgggggaacaa aggggggggaa actaaaacc 300
 ccgggaaaag ggggggcttt ggaccgaaat cccaaaaaga ccccccggg gggggggggg 360
 gcgaggggccc aattgggggg ggggcctccg gaaaatgggc ccctgggggg ggggcccccc 420
 ccgggc 426

<210> 764
 <211> 402
 <212> DNA
 <213> Homo sapien

<220>


```
<210> 771
<211> 414
<212> DNA
<213> Homo sapien
```

```
<210> 772
<211> 408
<212> DNA
<213> Homo sapien
```

```
<210> 773
<211> 415
<212> DNA
<213> Homo sapien
```

```
<210> 774
<211> 406
<212> DNA
<213> Homo sapien
```


<400> 774

ggcacgaggc	agccttctag	gtcagttggt	aaatggggta	gaacaagatg	cccccagtg	60
gcataaattg	catggaatta	ggccttagtg	gtgagggtt	cgacatacag	tcatttgtcc	120
tacattgtga	aggaaacatt	ctgacctcaa	acagatccct	caaccccaga	actttataga	180
aggggcagac	cttggcattt	tcacatgatt	tatctccac	tctgattcac	atatgtttga	240
ccaaggcact	gggcagctgc	caatttcccg	tcccttctgt	agtcccagat	gaatggatac	300
agacctcttt	tgggaaggct	gcaagggagg	gtcacaacat	gcctctaaag	tgtaaaaatt	360
aaagttttcc	tttcaaaata	catttgactt	cctcttcattg	taaggg		406

<210> 775

<211> 402

<212> DNA

<213> Homo sapien

<400> 775

ggcacgagga	gagagagaga	gagagagtgt	tgtagtgaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagaga	gagagagaga	gagagagagt	gagagagaga	gagagacaga	120
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagtgttttt	180
tttttttctc	tcacacaccc	ttttttctct	ctctgtgtgt	gttttttttt	gtcagactct	240
tttttcttcc	ctcccccgcc	cgcgagattc	tttttttttag	caactctctct	ctcttccctc	300
tttttgtgtc	ccacatatatt	tttctcgcgc	gcttcccccc	ccttgtgcgt	gtgttttttt	360
ctctcacgcg	cgcggtgtttt	ttattttgtc	tctctctccc	cg		402

<210> 776

<211> 407

<212> DNA

<213> Homo sapien

<400> 776

tcgattcgaa	ttcggcacga	gaagaactag	aggagaaaat	gtcacaagca	agacaaatct	60
gcccagagcg	tatagaagta	gaaaaatctg	catcaattct	ggacaaagaa	attaatcgat	120
taaggcagaa	gatacaggca	gaacatgcta	gtcatggaga	tcgagaggaa	ataatgaggg	180
agtaccaaga	agcaagagag	acctatcttg	atctggatag	taaagtgagg	actttaaaaa	240
agttttattaa	attactggga	gaaatcatgg	agcacagatt	caagacatat	caacaattta	300
gaagggtgtt	gactttacga	tgcaaattat	actttgacaa	cttactatct	cagcgggcct	360
attgtggaaa	aatgaatttt	gaccacaaga	atgaaactct	aagtata		407

<210> 777

<211> 405

<212> DNA

<213> Homo sapien

<400> 777

attcggcacg	agaagaacta	gaggagaaaa	tgtcacaagc	aagacaaatc	tgcccagagc	60
gtatagaagt	agaaaaatct	gcacatattc	tggacaaaga	aattaatcga	ttaaggcaga	120
agatacaggc	agaacatgct	agtcattggg	atcgagagga	aataatgagg	cagtaccaag	180
aagcaagaga	gacctatctt	gatctggata	gtaaagttag	gactttaaaa	aagtttatta	240
aattactggg	agaaatcatg	gagcacagat	tcaagacata	tcaacaattt	agaaggtggt	300
tgactttacg	atgcaaatta	tactttgaca	acttactatc	tcagcgggcc	tattgtggaa	360
aatgaatttt	tgaccacaag	aatgaaactc	taagtatatc	atatg		405

<210> 778
 <211> 393
 <212> DNA
 <213> Homo sapien

```

<400> 778
ggcaccagag ccaccacacc tggctaggtt tacattttta gaatatccct tggaaagtgg      60
ttggagagta gcaaaagtgt gttgtttggt aaaatatctc tggaaggaaa cttcagacaa      120
tagtaacagc agtcttcttg gcaggcaacc tgggagacag ggataaatgg gagactccct      180
gtttataaca tacccttttg tactttctaa gttttatact atgtacatgt attcattgac      240
tgaataaata gctttataaa gtcgttttta taaaagagaa ggttgggagg agctatcagg      300
tagcaactgc agatgtctaa ggaagaggtc atggtggtca tttggactgg gtgctggtgg      360
tggagtcaaa gtggaccaag tcaagagact ttt                                     393

```

<210> 779
 <211> 387
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(387)
 <223> n = A,T,C or G

```

<400> 779
agatttcttt caattggtct tcccattgca gttactgtta tttctctttt ttggttaact      60
ttaaatacaa actcaaaata tgttcattca gagtgtgtct taagtaactt acgtgtctta      120
agtaacaggg accagagaca tgttacctac aagagttctg ggctatccct ttcattctta      180
tcacatatca tagcttgaat attacaacag tgtgggagag aatcaaccgt aaaaatgtct      240
tcattaatta gaccagttta ttccactttt ggtaatgtct ctacattga cacagtataa      300
aaatttatat caccaagatg tccaagtgc atacttttag agccaattat anacacttta      360
aagttgggga aagattgcaa ctntttt                                     387

```

<210> 780
 <211> 386
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(386)
 <223> n = A,T,C or G

```

<400> 780
ggcacgagcc atcccttata gaagaggtca ttctgtctct tccttctcca tggctagagg      60
atctacatga actatttaga ttttttctac ctgggagatt taactcctct ctctatttta      120
tttatttata tatcagcatg gacttgcagg ccaacagaga ttttgagaaa cacattgaag      180
gatctgttaa cacttgatat acccaataaa agcagtgggt gtgccagtgc tgatctgtct      240
tgatgtgaat gtgaacaatg ggaacctgag ctgagcagtt aaatgtaggg tgacagaaac      300
tggacctctt ccaaaacatg tgacagagta ataccagagc caacttcttc gccaaattaa      360

```

agttttacaag aattaacctg tcatch

386

<210> 781

<211> 392

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 781

attcggcacg	aggaaaatca	gaagccctat	tgtatctggt	atttcacaac	cagacgtttt	60
caatcaactac	ccttttgctg	agtgccatga	aactgatagt	gatgaatggg	tccctcctac	120
cacacaaaaa	atatttcctt	cagatatgct	tggattccaa	ggcatagggtc	tagggaaatg	180
ccttgctgcc	tatcatttcc	ctgatcaaca	agagttacca	agaaagaaac	tgaaacatat	240
tagacaagga	accaataaag	gtttaattaa	gaagaaatta	agaatatatgc	ttgcagcagt	300
tgttacgaaa	aagaaaactc	ataaatataa	ctggtaaagt	tcaggctgga	tttcncaatg	360
tccagacatt	caagtcttag	cagcacctca	gn			392

<210> 782

<211> 396

<212> DNA

<213> Homo sapien

<400> 782

atcccatcga	ttcgaattcg	gcacgagcct	actcccagct	cccatggaga	ctgagatggg	60
aggatccctg	gagccctgaa	gcttgaggct	acagtgagcc	ttgatttgtt	caactgcactc	120
cagcttgggt	gacagagacc	ctgtctcgag	aaattaaaaa	aaaacaaaaa	cctttttttc	180
ttactaaaaa	cccccggaag	actaaaatcc	aggcccttct	tactttcaca	cataacccaa	240
aagtgccctt	ttgttttttt	ttgaaacttt	tttaaaattt	tttaactggcg	ataaaaaacca	300
cataaagtat	cccttcttat	tattggctaa	cggaaaaaatc	tgacgggggtc	ccttcgcttt	360
cgctttctat	agcttaaaac	ggaattatga	acacac			396

<210> 783

<211> 397

<212> DNA

<213> Homo sapien

<400> 783

ggcacgagga	ggaactagtc	tcgagagcag	ttttttttta	tgaaaatttt	attgagatga	60
atatagattc	acatgtagtt	ctaaaaaagt	aattcagaga	taattcaaat	aattctgtat	120
accttacct	gtttctccta	aaagtaagat	tttgtaaaac	tatagtataa	caaccaggac	180
attgactttg	atataatcca	ccaatcatat	acagactcca	aatccaccaa	tcatattcag	240
acttcctagt	ttcactgtat	taatgaatat	ttgtatgatg	tattctatat	aatttataat	300
tctatagtgg	aatcacctag	gtaagtttat	gtatcctata	agatattgaa	cagtttcaac	360
accacaagat	ctctcgtgtt	gcccttttat	aatcaca			397

<210> 784

<211> 400

<212> DNA

<213> Homo sapien

<400> 784

```

ggcacgagct ggagtctcat ttaagaatga tcagcaatac gtttagaaca tatgaactga      60
atgaaatgga cattttttct taatttacgt ataaatccat atgattatac ataaagtct      120
gatgcattaa taaaagcagc caaatagggc caaagagaaa aataacagga ctctgtactg      180
gacctaaactt tatcattaat taggtaatat ttctctcatt tctttactgc tgccattttc      240
ctcaccagta ttccagagat ggctcatagct cttactctta ccaccaagaa cctaaaagga      300
attagaatac agcagaattg gcctcagtga agagcttaaa attgttctcc tcgtagaact      360
ggactattga tcattaccac gtgacgttgg ctctattact      400

```

<210> 785

<211> 397

<212> DNA

<213> Homo sapien

<400> 785

```

ggcacgagaa atgatgattc ttataggggg gtgtgtgtgt gtctgtgtgt gcatgcacgt      60
gtgtgtgtgt gtgtgtgtgt gtgtgtttgt gtgtgtgaga gagagagaga gacagagact      120
gaattgcttg agaaaatttg catttgagtt cagaagtatg agcccacatc tgtgaaagca      180
gtaggtaaga gactagtga tgcagatgac tcatatatgc acacacacct gtggatttac      240
ggtttttagaa aatacaaaata tacattgctc taaatttgaa taatttgaag tgaggtagaa      300
ttccaaagag caagttgtga tctaggacaa aggaacctct gggatgagtg acagctcgga      360
gagccagagg tggaaggagg aatgacacac agcttct      397

```

<210> 786

<211> 395

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(395)

<223> n = A,T,C or G

<400> 786

```

aatcccgtgg tggcnnnccc actgcccccc cactccccac cccttcacaa gccattggat      60
tcattcatcc agttcaataa atcttggtta agcacctcca gtgtgcagta aggctcttcc      120
aagccaggac tctgactccc tctttcctac ctcaagagat gtttttgagg gctttcccag      180
gtaagagtca catctcttat acaataactt atagtgagat acccagaatg tcagacttgt      240
aaggggaagac tgcccaaacc ctttctgagg tcctcagagg ggaattaact tcctaagggtc      300
cgactgctag gaagtgttgg agccagaaat ggaacctaaag tttcctttct atgtcatctc      360
tggagtcttg atcttgatct atcccattgt agata      395

```

<210> 787

<211> 393

<212> DNA

<213> Homo sapien

<400> 787

```

catcgattcg aattcggcac gagccatccc ctaagaagag ggcattcctg ctcttccttc      60
tccatggcta gaggatctac atgaactatt tagatttttt ctacctggga gatttaactc     120
ctctctccta tttattttatt tatatatcag catggacttg caggccaaca gagattttga     180
gaaacacatt gaaggatctg ttaacacttg atatacccaa taaaagcagt ggttggtgcca     240
gtgctgatct gtcttgatgt gaatgtgaac aatgggaacc tgagctgagc agttaatgtt     300
agggtgacag aaactggacc tctccaaga catgtgacag agtaatacag cagccaactt     360
cttcgcaaaa ttaaagtttt acaagattta acc                                   393

```

```

<210> 788
<211> 394
<212> DNA
<213> Homo sapien

```

```

<400> 788
cgaattcggc acgaggagag agagagagag agagagagag agagagagag agagagagag      60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag     120
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag     180
tataatataca cccccctctt gagtgagcgt tctctctctc tcttgctccc cccccctctt     240
ttttctctct ctctctctgt gtgcgggtgt gtgtcctccc tatactctct cccacactc     300
cccccttttt tctttttttt tttttttttt gtgggggaaa acacactcac actctgtgtt     360
gttgatgttt ctccacccaa gagcggcgcg cgcg                                   394

```

```

<210> 789
<211> 393
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (393)
<223> n = A,T,C or G

```

```

<400> 789
ggcacgagat accatagtcc cagctacttg ggaggctgag gtgagaggat ngnntgnncc      60
caggagacgg aggttgacgt gggctgagat tgtgccactg tactccagtc tgggtgacag     120
agccagaccc tgtctcaaaa ataaagagga ttctgagttt gtatagttag ggccttgacaga     180
aattttgaaa cttattttgt aagtttataa tgaatttgta catgatgtgc tcatgtcttg     240
ggttgagtat cctagacatg attttttcat ttgctgcata ttaaacaatt gttggttgta     300
gtcggatatt cttaaataga agtttgtaaa tattagatta gtttcaagaa ggacttagct     360
caggaanaag atagttattt ctgtggttct caa                                   393

```

```

<210> 790
<211> 389
<212> DNA
<213> Homo sapien

```

```

<400> 790
cgttgctgtc gtaggtctag atgtttggca tgcccagtgg catattatct gttttaactt      60
agactaaatt agaaagtgtt cttaaatatt ctttgctctg ggttattcag gacatctgga     120
atztatgaag atgcttccca gtgttggtgg atatgttagc atactggtgg cagttgaaga     180
ttaaagtgtt ttttttgtaa tttattgtgg ctgaaataaa aggaatggtg gtcgacagag     240

```

catcccttgc	agcattgcta	ggaaatgagt	cttcaaagga	agcagcttgg	attctgataa	300
agcacttttg	tttcttccta	ttagaagatg	cagataaata	gttctttatg	atctttggcc	360
tgggagtcct	gattaaattt	taaacatag				389

<210> 791

<211> 398

<212> DNA

<213> Homo sapien

<400> 791

aattcggcac	gagccccaat	ccatgcttgg	ccattgcectg	agtattagct	gccccagggg	60
gatcacggtc	cccataatatt	tgcttgccat	ggaccctggg	cagcagggag	agagtagaga	120
tttgtcaaga	gcccattggtg	gaggctgagg	ccctgaggcc	atgagatgca	ggcatggggt	180
gagaaacagg	ccccttgga	ttgggctggg	ccttggecca	gcttagtcaa	atcaaaaggc	240
ttctatttgg	agagctgaag	aggggtgaca	gaggaagggg	ctaggtctgc	aaggagtgcc	300
tcctctccct	gaagagctct	cagtgaaca	tacttcaccc	atccatgtac	ccacatcttt	360
ccttgcccag	aaggcgagag	ccagctataa	cagaccct			398

<210> 792

<211> 157

<212> DNA

<213> Homo sapien

<400> 792

tttctcccca	aacccgataa	aagggggatt	tttttttaaa	cccccccccg	ggggggcccc	60
ccccaaactta	aaaatggggg	gttttttttt	ccttttttgg	gggcctttaa	agattcccc	120
ccccacatt	tttattatgg	gggggggggt	tttttta			157

<210> 793

<211> 394

<212> DNA

<213> Homo sapien

<400> 793

attccgaatt	cggcacgagc	ccacttctgt	ttactttttc	ctctccagta	aaaagtataa	60
gatttctttc	aattggtggt	cccattgcag	ttactgttat	ttctcttttt	tggttaactt	120
taaatcaaaa	ctcaaaatat	gttcatccag	agtgtgtctt	aagtaactta	cgtgtcttaa	180
gtaacaggga	ccagagacat	gttacctaca	agagttctgg	gctatccttt	tcattcttat	240
cacatatcat	agcttgaata	ttacaacagt	gtgggagaga	atcaaccgta	aaaatgtctt	300
cattaattag	accagttat	tccacttttg	ttaatgtctc	tcaaattgta	caaagtataa	360
aaaattatat	gcacaaagat	gttccaagtg	acat			394

<210> 794

<211> 396

<212> DNA

<213> Homo sapien

<400> 794

cgattcgaat	tcggcacgag	cagaggagcc	ccatctcctt	cagccccctc	ctgccttttg	60
gggtgcaagtt	tcctgaagga	cttgagtggg	atgtcaccaa	gcaacaggct	gtcaggctct	120
tggcagcaag	tactggccca	gcgactcgcg	gcagagtctc	tccttggggc	gtctgtcctt	180


```

agaggagaat attctctttt ctcgccccct gtgagagaga gacaccccccc cctttttttc 180
tctctgtctc tcgatgcgcg ctctctctcc acacacacac actcctctgt gcatagagat 240
agagagcgct ctctctctgt gtgagtgtgt ggacacacat atctccccct ctctctgtgt 300
ccgcccccg gtgtgttttt tttgagagag agaccccccc cgcacacaaa aagaaaagaa 360
agcgtccccct ctctcgcccc gctcctcgtg tggcacn 397

```

```

<210> 798
<211> 397
<212> DNA
<213> Homo sapien

```

```

<400> 798
ggcacgaggt gatttcctag tagtgggtag cattagaaaa ctggcatcag cctccctctt 60
ggacacggac aaaaggtatt gcggcaaac cacctctaga aaagcatgga atgaacacca 120
ttgggagcag actctgccag gatcgactga tgaggaaata tctgatgagg aagggtctgg 180
agatgaaaat tcacagggac tggggctgga ggaatatgat gaggacgacc tgggtgctgc 240
tgaggaacag gagtgtggtg atcacagga gagcaagaag agcagaagcc actctgcaaa 300
aacaccgggc ttcagtgtcc agagtatcag tgactttgag aaatttacca agggaatgga 360
tgaccttggg agcattgagg aggaggaaga ctaatag 397

```

```

<210> 799
<211> 397
<212> DNA
<213> Homo sapien

```

```

<400> 799
gcacgagcgg agctgcttct taccctgcc ctgcacctca tggctctgct gggctgctgg 60
cagcccctga gcaaaagcta cttcccctac ctgatggcgg tgctgacttc caagagcaac 120
cggaagatgg agagcaagaa acgggagctc ttcattccata taaaggggct tacaggagcc 180
ttcgggaaag aggccctact ggagctgggc tgagaaaccg gagccaactt tcagttctac 240
ccaccgggct gcagggtcac ctgcctacac ccagatcccc actttgagaa gttcctgaca 300
aagagcatgg ctgacaacag gcacctccaa tatgagcggc ttgtgggtggc tccctggagag 360
gacatgatac agctggctga tggctccatg gatgtgg 397

```

```

<210> 800
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 800
cggcacgagg agcatcattt ggcatcgaac gttcagcgga accgtttggt ccagcatgat 60
ctccaggtgg ctaagcagct ccaagaggaa gatctgaaag cgcaggccca gctccagaag 120
cgctacaaaag accttgaaca acaagactgt gaaattgtct aggaaattca ggagaagctg 180
gctattgagg cagagagacg acgcattcag gagaagaagg atgaggacat agctcgccct 240
ttgcaagaaa aggagttaca ggaagagaaa aagagaaaaga aacactttcc agagttccct 300
gcaacccgtg cttatgcaga tagttactat tatgaagatg gagaccaacc aggggtcaagg 360

```


agggccaggg aattgggttc tggattctca agaccn

396

<210> 801
<211> 390
<212> DNA
<213> Homo sapien

<400> 801
atcgattcga attcggcacg aggtccggat acacacgcac gcacacatgc agatatgctg 60
cctgggcaca cacttccgga cacacatgca cacacaggtg cagatatgct gcctggacac 120
acgcagactg acgtgctttt gggaggggtg gccgtgaagc ctgcagtacg tgtgccgtga 180
ggctcatagt tgatgaggga ctttccctgc tccaccgtca ctcccccaac tctgcccgcc 240
tctgtccccg cctcagaccc cgcctccatc cccgcctctg tcccctggcc ttggcggcta 300
tttttgccac ctgccttggg tgcccaggag tcccctactg ctgtgggctg gggttggggg 360
cacagcagcc tcaagcctga gaggtcggag 390

<210> 802
<211> 395
<212> DNA
<213> Homo sapien

<400> 802
ttcgaattcg gcacgagcct ctccacttca tcccaggaa gcagctgtgt gacggagagc 120
60tggactgtcc cttgggggag gacgaggagc actgtgtcaa gagcttcccc gaagggcctg 180
cagtggcagt ccgcctctcc aaggaccgat ccacaactga ggtgctggac tcggccacag 240
ggaactggtt ctctgcctgt ttgcacaact tcacagaagc tctcgtgag acagcctgta 300
ggcagatggg ctacagcagc aaaccactt tcagagctgt ggagattggc ccagaccagg 360
atctggatgt tgttgaaac acaggctaca gggagaccgg gaggatcaca gagccagcat 395
gttacaggat cctgacagtg atcaacctct gaaca

<210> 803
<211> 396
<212> DNA
<213> Homo sapien

<400> 803
atcgattcga attcggcacg agaagaacta gaggagaaaa tgtcacaagc aagacaaatc 60
tgcccagagc gtatagaagt agaaaaatct gcatcaattc tggacaaaga aattaatcga 120
ttaaggcaga agatacaggc agaacatgct agtcatggag atcgagagga aataatgagg 180
cagtaccaag aagcaagaga gacctatctt gatctggata gtaaagtgag gactttaaaa 240
aagtttatta aattactggg agaaatcatg gagcacagat tcaagacata tcaacaattt 300
agaaggtgtt tgactttacg atgcaaatta tactttgaca acttactatc tcagcggggc 360
tattgtggaa aatgaattt tgaccacaag aatgaa 396

<210> 804
<211> 388
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(388)

<223> n = A,T,C or G

<400> 804

```
ggcacgagggc agccgcgggt tggtacagct gctggagcag cagcggcccc cgctcccggg      60
aaccgttccc gggccgttga tcttcggccc cacacgaaca gcagagaggg gcagcaggat      120
gaatgtgggc acagcgcaca gcgaggtgaa ccccaacacg cgggtgatga acagccgtgg      180
catctggctc tctacgtgc tggccatcgg tctctccac atcgtgctgc tgagcatccc      240
gtttgtgagt gtccctgtcg tctggaccct caccaacctc attcacaaca tgggcatgta      300
tatcttctcg cacacggtga aggggacacc ctttgagacc cgggaccagg gcaaggcgag      360
gctgctaacc cactgggagc agatggan                                     388
```

<210> 805

<211> 391

<212> DNA

<213> Homo sapien

<400> 805

```
atcccatcga ttcgaattcg gcacgagatc caatgccatc tgcattcttag cctttttaccg      60
gaaggagtgg ccgctcctgg tgggtggtgcc atcctccgtg cgcttcacct gggagcaggc      120
cttcttctcg tggctgccat ctctgagccc agattgcac aacgtcgtgg tgactgggaa      180
ggaccgcctg acagctggcc tgatcaacat tgtcagcttt gaccttctta gcaagttgga      240
aaaacagcta aaaacccctt ttaaagttgt catcattgtt gccaagaggg tgatcctgtt      300
gtcgggcaca ccagccatgt cccggcccg cagagctctac acgcagatca tcgcagtcaa      360
gccaactttc tccccccagt ttcattgcctt g                                     391
```

<210> 806

<211> 388

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(388)

<223> n = A,T,C or G

<400> 806

```
ggcacgagcc ggccaacagc ttgcaagcat gctccgctgg acccgagcct nncgcctccc      60
gcgtgagggg ctcggccccc acggccctag ctctgcgagg gtgcctgtcg caccagcag      120
cagcagcggc ggccgagggg gcgcccagcc gaggcgcgtt ccgctttcct acaggcttct      180
ggacggggag gcagccctcc cggccgtcgt ctttttgac gggctcttcg gcagcaaac      240
taacttcaac tccatcgcca agatcttggc ccagcagaca ggccgtaggg tgctgacggt      300
ggatgctcgt aaccacggtg acagccccc cagcccagac atgagctacg agatcatgag      360
ccaggacctg caggaccttc tgccccac                                     388
```

<210> 807

<211> 384

<212> DNA

<213> Homo sapien

<400> 807

```

ggcacgagga gagaactagt ctcgagagca gttctctccc ctcaagcggc ccagcagact      60
gagggccttg ccagcactgg gagtcaggcc cagtctgctc caaccccggc ctgggatgag      120
gacactgcac aaattggccc caagagaatt aggaaagctg ccaaaagaga gctgatgcct      180
tgtgacttcc ctggctgtgg aaggatcttc tccaaccggc agtatttgaa tcaccacaaa      240
aagtaccagc acatccacca gaagtcttcc tcctgcccag agccagcctg tgggaagtct      300
ttcaacttta agaaacacct gaaggagcac atgaagctgc acagtgcac ccgggactac      360
atctgtgagt tctgcgcccg gtct                                     384

```

<210> 808

<211> 369

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(369)

<223> n = A,T,C or G

<400> 808

```

tacggctgcg ataagacgac agaannngct taccctagag aataactctg tatgaataaa      60
attgcttaat tgagtctctt actaaataag taactagtgc catgcttttg tgagctcttg      120
gtatggccca tattaccttg ttttttgttt ttgttattgt tgttttgatg tagtcttgct      180
ctgtcgccca ggctgcagta caatggcaca atctcagctc actgcaacct ctgcctcctg      240
ggttcaagca attctcctgt ctcagcctcc tgggtagctg ggactacagg tgcatgccac      300
catgcctggc taacttttgt atttttagta gagacagggg ttcaccacgt tggtcaggct      360
ggtctcgaa                                     369

```

<210> 809

<211> 372

<212> DNA

<213> Homo sapien

<400> 809

```

ggcacgagga gagagagaga gagagagaag agagaggagc aagcaaggga aatgccagat      60
agetataaaa ctatgagatc ccatgagaac tcactcagta tgatgaaaac agcatgggga      120
aactgcccc gtgatccaat cacctccac caggctcttt cctcaacata tggggattaa      180
gaggattgca attcaggatg agatttgggt ggggacacag ccaaaccgta tcagcatacc      240
taggttacta gctcatatct ggagccagca atgggggttg tcccaccaga atcactcaag      300
cgtagagtga tatggttccc caaaggaaaa ctaaggtgtt atttctagac aaaaagggtt      360
tcaatgctgg ga                                     372

```

<210> 810

<211> 374

<212> DNA

<213> Homo sapien

<400> 810

```

tacggttgcg agaagacgac agaagggcag aacttggttc ctctcaccca ccccgcccag      60
tttcactct aaaggacgga gctaaaataa acagttatct aaaggttggg gcatacaggg      120
ttccaaagca gatttttagt tctatcctca gaagacttgc cccatataga aaatattgtc      180
tggagacttc tcaatcttat cttaagtaat tagaaatcaa atcctacccc atgtgacagc      240

```

```
<210> 811
<211> 376
<212> DNA
<213> Homo sapien
```

```
<210> 812
<211> 151
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(151)
<223> n = A,T,C or G
```

```

<400> 812
cttatgggtc tngggctggg tgcaggccat caaaatggac accacgagac agaagtgggg      60
actgcttggc cacctagcgc cttcccactc cttaagcaag cacaaaagaag atgaggcaga      120
gaattgccag agctgaaagt aactttggtt g                                     151

```

```
<210> 813
<211> 381
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G
```

<400>	813						
ggcagcagga	aaatcagaag	ccctattgta	tctgggtattt	cacaaccaga	cgttttcaat		60
cactaccctt	ttgctgagtg	ccatgaaact	gatagtgatg	aatgggtccc	tcctaccaca		120
caaaaaatat	ttccttcaga	tatgcttggg	ttccaaggca	taggtctagg	gaaatgcctt		180
gctgcctatc	atttccttga	tcaacaagag	ttaccaagaa	agaaactgaa	acatattaga		240
caaggaacca	ataaagggtt	aattaagaag	aaattaaaga	atatgcttgc	agcagttggt		300
acgaaaaaga	aaactcataa	atataactgg	aaaagttcag	gctggatttc	caaagtcca		360
gacattcaag	tcttagcagc	n					381

<400> 814

```
<210> 815
<211> 370
<212> DNA
<213> Homo sapien
```

<400> 815

```
<210> 816
<211> 377
<212> DNA
<213> Homo sapien
```

<400> 816

ggcacgaggg	gagacaggaa	ggagaagaaa	aacaaaagtg	agaaaaagag	ctgaaaatgg	60
gacaacaaga	aagattcctt	tttaaggaaa	atgaataaac	tacctgtcaa	aataagtata	120
acatcctttt	cattctggaa	ttttaggaat	ggttgcttc	ccttccaaaa	attccccatc	180
cagttatcat	aaagcgaatt	atctgacacc	tatacacatt	acatactaaa	gtattttattg	240
aatgagcaag	gaccaccagt	caacaagctc	tacctatata	caacatttcc	aatcagtcct	300
tctattctct	cacattaaaa	tacgtctaga	caggccaggt	ggtgttggtc	catgcctgtc	360

tgtaatccca gcacttn

377

<210> 817
 <211> 369
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(369)
 <223> n = A,T,C or G

<400> 817
 tacggttgcg agaagacgac agaagggacg tgagtgtatc tggaaaaaag gagggagaag 60
 agaggtttcc ttcacacgcc tgagggccga ggctgctgct ggtctcacct tccatcccag 120
 ttccatatacc caatctacca agtgttgttg ctagatgtca tagtggccac atgagggcag 180
 cagagtgaca tgttctttgc atgaggatgg gctataaagc tggcaaaatt tgctctctga 240
 aggtttacct tttgatccct ccaccaggga ttacaattct gctccccaag agggccccta 300
 agaccacaga agataaggag gaaacaatac agaaactaga ggtgaggagg aagtgtgcat 360
 agagacctn 369

<210> 818
 <211> 380
 <212> DNA
 <213> Homo sapien

<400> 818
 ggcacgaggg aacctgaagt tcccatcagc cagtacacct gtgaaccagt ggaggacctg 60
 aagtacctgt ttaaaagata gccaaaagat aagtaaagtc ctaccaactt tctttggtgt 120
 ctttggttga tagttactgt gggctggaaa atagtagcca tttttatctt tgcagtttaa 180
 ttgccttctt ccaaatagat aaaaatcact tcctttgtaa taattaaaca gaatttaaaa 240
 aatacatctt tatgacaaat attcctgatg gcataagtat ccacccaag gttcccatta 300
 aatcttttaa cctaaagtat ttcctctcac ctagagatca tcgagctgtg tgacaagggt 360
 gccagccact ccaggtgaag 380

<210> 819
 <211> 381
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(381)
 <223> n = A,T,C or G

<400> 819
 ggcacgaggt ggcccgggga ggcttgtgg ctcctccctc cgctcctcgc cctgggcctc 60
 agcttcctca tcaatagaaa ggatgtgttc ggggtggggg cgtcaggtga gaacgtttgc 120
 tgggaaggag aggacttggg gcatggcctc tggggccacc ctctcttgaa ctcgagaggg 180
 aaagtccggc ccttcggaag ccttggacag aacctccca ccccgagacc ancgcccggt 240
 tgtgtggggg aaaaaaagaa gccccgggtt gagctcaagg aagaccgggt ggtgtccgtc 300

tttaaccata ttacctaacc aaaggggtggc gagacaagct ttgtggggaa gggctcttgc 360
 ttggccaatg ctcggttgc n 381

<210> 820
 <211> 369
 <212> DNA
 <213> Homo sapien

<400> 820
 tacggatgac agaagacgac agaagggcta aaaagctcat ctaaaagcca ggctctaattg 60
 ccaattcaag agcctgggac tcaatgtgag ctccagccaga atcttcagaa tctctatggg 120
 accccagtat tcaggcctgt tctagagaac tcctggctct ttccaaccag aattggagggt 180
 aactttaacc atgtttcctt gaaagcctcc tgggttatgg gccgcccctt tgggtcagag 240
 cagaggccta agtgggttcca tcctttgcct ttccagaatg cagggggcca gggccgagggt 300
 aaaagttttg gtattcaatc cttccatccc cagatatattt attcagggtg aaagattcat 360
 gaaattttc 369

<210> 821
 <211> 373
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(373)
 <223> n = A,T,C or G

<400> 821
 ggcacgagggt ggcccgggga ggccttgtgg ctctctccct cgctcctcgc cctgggcctc 60
 agcttctctca tcaatagaaa ggatgtgttc ggggtggggg cgtcagggtga gaacgtttgc 120
 tgggaaggag aggacttggg gcatggcctc tggggccacc ctctctggaa ctcgagagg 180
 aagggtccggg ccctcgggaa gccttggaca gaacctcca ccccgagac cangcgccgt 240
 gtgtgtgtgg gagagaagga gccctgtgtg agcttcagga gaccccggtg gtccgtcttt 300
 agcatataac ctaccagtgc gtgccgagca gccttgtggg aagggaactg acttgncagg 360
 tcttgccctga ccn 373

<210> 822
 <211> 381
 <212> DNA
 <213> Homo sapien

<400> 822
 ggcacgagga gagagagaga gagatagaga gagttagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gcgagagaca gagagagaga gagagagcga 120
 gagagagaga gagttagaga gagagagaga gacagagaga gagagacagg ggagagcctg 180
 tccgacctct ctctttcttc tctttctact ttacatatgt ttgtatgttt gtgtgtctgt 240
 ctggggcata cacaaaaaag aattgatggc catgtgtctc tatctctctg tctctctttc 300
 tctctttccc cccacgggcc cggagggtcta tatatctctt ttctatatat atctacatat 360
 atccctctcg tgctctctcc g 381

<210> 823

<211> 381
 <212> DNA
 <213> Homo sapien

<400> 823
 ggcacgaggg gagacaggaa ggagaagaaa aacaaaagtg agaaaaagag ctgaaaatgg 60
 gacaacaaga aagattcctt ttttaaggaaa atgaataaac tacctgtcaa aataagtata 120
 acatcctttt cattctggaa ttttaagaat gggtgccttc ccttccaaaa attccccatc 180
 cagttatcat aaagcgaatt atctgacacc tatacacatt acatactaaa gtattttattg 240
 aatgagcaag gaccaccagt caacaagctc tacctatata caacatttcc aatcagttct 300
 tctattctct cacattaaaa tacgtctaga cagggccaaag tgtgggtggc catgcctggc 360
 tgtaatccca gcactttggg g 381

<210> 824
 <211> 382
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(382)
 <223> n = A,T,C or G

<400> 824
 ggcacgagga gagaactagt ctcgagacta gagaactagt ctcgagagca ngggtttttt 60
 tttttttttt tttttttttt tttttttccc ccaaaaaggg gaaaactttt ttttttccaa 120
 aaaaaggggg ggcaaagggg ttcttttccc cccaagggg gggaaagggg ttcctaaaaa 180
 accccttttg gttttcccg ggccccaaa aaaggggccc ctttataaaa ccaaaaaaaa 240
 accccttttt ttttttttcc aaaaaagggc ttttcctttg gaaaaaaaaa ttttcttagg 300
 gggggcaaaa atttttccgg ggggaaccct tttaaaaacc cctggaaagg gccttttttg 360
 ttaaaaaaac cccaatttc tt 382

<210> 825
 <211> 380
 <212> DNA
 <213> Homo sapien

<400> 825
 ttcgaattcg gcacgaggtt tggaagatca ctgttttgta gttcgggtgt gttatggggc 60
 cacagggaag gtaaatggtc tcaattttca ggaagttgac atttgccttt tctacttcat 120
 ttccttaaac aaaaattgaa atatcagatg acaaatttaa agagatatat cccatataaa 180
 acctaaagt ctatgaggct gtattgaacg atagagttaa tttgcatcat cagatgttgt 240
 ggccgctttg tagcatttgc taatctggaa cgcttgggtt tctccccag atgagcacca 300
 tgccaggacc tgccaccccg gcctgctttt atgacataga acttgatacc cgaacagaac 360
 caggtaaaaag cttgggtctat 380

<210> 826
 <211> 375
 <212> DNA
 <213> Homo sapien


```
<210> 827
<211> 367
<212> DNA
<213> Homo sapien
```

<400> 827						
cgttgctgtc	gtatcagtea	atttaccttt	gccttagcat	cacacccttt	tctagcctcc	60
acctgaatt	agggtttaat	agtaataatt	ataagaaatg	atagtaattg	gagattattt	120
actaaacact	agtgtatgct	taactctatg	ctagttgcta	tagggaaaat	ggagatacaa	180
taatcactaa	tcccttacat	ttcatttcaa	ctattcagta	tttagcactc	accatgtggt	240
agatacaggg	gataaagaaa	taaacatgaa	gcagcattac	cctttaaggc	tcataatcta	300
gtagaggaat	cagacacaaa	taaattataa	tacagtatag	cacaataata	taaatgtata	360
cacttcn						367

<400> 828						
tacggctccg	tgaagacgac	agaagggggt	ccactggtgt	gtctctgggg	gcagggtccc	60
agatcacaga	ctggttccac	cgtgccccgt	gacctcagcg	tgccattaga	tgggaggccg	120
ttatttcagg	ggaaaaatca	tgtttgaaac	taagtgggtc	cccggcagtt	tgcagcaaca	180
ctggctgctc	aaaaggacag	cacgaggctt	ttcacagcat	gtagatgcca	tggctttatg	240
agagctttga	gcttgggagg	gtctacttgt	gcttttgcaa	ccttagttta	gatttcattt	300
gcactacta	tttgtaagtg	caccattttt	ctacgggaag	tatgtatgtg	a	351

<400> 829						
tacttctgcg	agaagacgac	agaaggggggt	gctcagatca	catctcctca	tgataaagaa	60
attctaaaat	gtatagaaga	atgtgtggaa	ccctggaatg	gttcctggaa	tgataattta	120
gtggatacca	gcccgctgaa	gagagaccct	ctgcaggaca	tttgcaggag	atacatggaa	180
gatctgaaaa	agatctgttt	ttacagggag	ttaaaactcg	agaccacctt	gaaattttgtg	240


```

ggcacgaggt ggtcccttc caggaccacc agaacggcgt gcacaactac gacctgcacg      60
acaccgtctc ctctcgtgggc tccagcacct tctacctcga cgcggtgcag ccgtccggcc      120
agtcggcctg cctcggggcc ctctcttcc tctacacggg agacttcttc ctccacatcc      180
ggttccacga ggacagcacc agcaaggagc t                                     211

```

<210> 836

<211> 419

<212> DNA

<213> Homo sapien

<400> 836

```

ggcacgagct ctctctctct ctctctctct ctctctctct ctctctctct ctctctctct      60
ctctctctct gtgggtgtct ctctatctat cgggggggtgt gtcacacaca cagagtgcaca      120
cagacacaga gagagagaga gagagagaga gagagagaag atctgcacgc tcacagagag      180
aaaaagggac agagagagca cactctctcg atagagcgaa aaaactctat aacgcgagac      240
aagagcgcgc tcacgcgaga gagcgcgcgc gcgagcgaga gcgcgcgcctc tatgcaggcc      300
acaaagagag agagagatag agagatgggc acacatatat agagagagag acagatatag      360
agagaggaac cccctccca tataaaaaag acaattattt ccagagaaaa acgccaat         419

```

<210> 837

<211> 172

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(172)

<223> n = A,T,C or G

<400> 837

```

attcaacana gaaggtaaaa tactaactca attcatcaat ttaagcaata ctcatthaaga      60
gccaagtatg tgcttactga ataagctgct aagggttggt gggttacagag tgtgcggtga      120
aatgatgtct acatcacagt ccaacattca cagagtttat aagcctacca ag                                     172

```

<210> 838

<211> 429

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(429)

<223> n = A,T,C or G

<400> 838

```

tacggctgcg agaagacgac agaagggcta tgggaacttc ccaccaatt cagtgccttc      60
agaataagaa agcgctagca aaaacattta atatcttgta ttaaggtga gtcatagtcc      120
agacaggaca ggcccatgag atgtggaaaa aatgtgtttc caaggctatg ttaacatcac      180
tagggagttt cgtctcggga aagcactctc tataaagtca gttcttccag gtcctcaaac      240
caattcaaaa cctagcctgc tgattcaact tgtgtggacc tcagccagtc ttgtattaag      300
atgatagggg agggatttca gcttcctagg ggagctctgc tgaatacggg agctcaatcc      360

```

tgggcaatng tgtcgcacag gcccatgtta ctcatctatc acatgggtacc agagcgagct 420
caccatctt 429

<210> 839
<211> 457
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 839
cttttgcccg aagcggccta cggtgctgag aagacgacag aaggggggga actaatttaa 60
ttcagctaaa ttgtttacaa aataacagct cacacaaaga tacacatata ccgctgttga 120
aaagagactt atttggttac gaggcaaaga tttaacatta aaaatcccgt tttcttgtaa 180
agagtaaaca agtggttagct catgtatgtc tccagctttg gtaggaatac agctgtatgc 240
atttgacctg aatcactacc atgtaaaagt gtcatacttg tgatttttag taccttgtca 300
ttcattaata ttcagagtat agaanaaggc agaccaacag attgctgcta tttttttttt 360
caagcccaca gctaacatca tgcattgctg tatttgaaac aaagtcaaca ngacccaat 420
nanggnattt gctattgggtt ttctctatca aggatat 457

<210> 840
<211> 437
<212> DNA
<213> Homo sapien

<400> 840
ttttggccga agcggcctac ggctgctaga agacgacaga agggcaacaa ttcttgccaa 60
cacaggaacc cacacagtga tgtggaaaaa aacttccaaa tactcagtgg tagccacact 120
taccacatcc cgatataagg tccaccatat gcacacacaa ttgcagaaat ctgtcctcgt 180
ttctgcacta taaataaaaa tcttgaagga aatccagccc acccagacat tagatgggaa 240
tcacaacaac caaagcccct ggtaaaaagt cacttcaaag ttgaatccac tgcatacgca 300
gcagccttgt gacacagtta taaactcttc cctactacaa gctcataggg cgtgccatta 360
ccctgtggac ccattaccct ggggacccaa caaaaggaga tctgtacctc ctgaaaccag 420
tttataaaaa attaaag 437

<210> 841
<211> 447
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(447)
<223> n = A,T,C or G

<400> 841
tacggctgcg agaagacgac agaagggagt aggagaattt ttatgactac tcagataaaa 60
cgaccattga tcaattacaa acatacaagt cataaacaat acagaaataa tatgtgtata 120

caaaaacaca	gaaattatta	tattgggaat	agacatatga	ctgattcata	tgtaactttg	180
tctccacgct	gtcttaaagt	gtacagagtt	gaatattgtc	attcacaatt	gtcacacaaa	240
ataaaaaacta	aaaacacaat	taactgatgt	gacgtggcat	actctaaaat	atgaaacaaa	300
aatgaaataa	aattggctgg	gcatagtggc	tcacgcttgt	aatcccagca	ctttgggagg	360
ctgaggcgagg	cagatcacga	ggtcaggaga	ccgacaccat	cctgactaac	acggtgaaac	420
cccatctcta	ctaanaaata	ncaaaaa				447

<210> 842

<211> 437

<212> DNA

<213> Homo sapien

<400> 842

gattcgaatt	cggcacgagg	agagagagag	agagagagag	agagagagag	agagagagag	60
agagagagag	agagagagag	agagagagag	agagagagag	agagagagag	agagagagag	120
agagagagac	acccctctct	ctctgtgtgg	gggggggggg	gggggggggg	ccccacaggg	180
gagagacacg	gcgccccgcg	tcgtggggag	agatatatat	gtgggggtggg	gtgtgtttat	240
acagagaggg	gggggtgtgt	gtatacacga	gacaaaggct	ctccccgcg	cgggggggga	300
ggcccccccc	ccccctgtgt	tttttttttg	ggggggggta	tggggggccc	ccccaaaaac	360
aagaaaacat	ctgtgtgttt	tttggggggg	gtcgtggggc	gccaccgggg	ggggcgagag	420
gcccccccc	cctccca					437

<210> 843

<211> 382

<212> DNA

<213> Homo sapien

<400> 843

ggcacgaggg	ggtatccctt	gagaccacct	tgggaccagt	gcttgcaagc	agcgagatat	60
ttccccagca	aaaccaggca	gctgctaatt	aatgcttag	aaccaatgaa	agctggctgt	120
ggtcctgctt	gtgagctgcc	tactgctgcc	ttctgaatgc	atatactgc	tactgtagcc	180
ccgggttgtc	aaactatggc	ctgtgggcca	aatccagcca	cagtcggttc	tttaaagttt	240
tatcgaaaca	caagcaatgg	aaatgcccat	ttccattgtt	gtctccagtt	gctctgctcc	300
gagggcagtg	ttaagttgtg	cagcagaggc	ccctccatgc	aaagctgaat	atgtttacta	360
tttgaacttt	tttagaagtt	ct				382

<210> 844

<211> 389

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (389)

<223> n = A,T,C or G

<400> 844

gaattcggca	cgaggagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	120
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagatctc	180
tctctcttcc	ccccctctc	tgtgcgcgcc	cccccccccc	tcgagagctc	tctctctctg	240

tgtgtgtcgc	acacccacac	ctatctatat	atagattggg	agagggcctt	ttttcccgcg	300
cgcgcgcttt	ancgcgcgt	ttaacatgtg	tgtcttgagt	gctctctctc	actcacacac	360
actatatatc	actctctctt	tttttctct				389

<210> 845
 <211> 399
 <212> DNA
 <213> Homo sapien

<400> 845						
ggcaccgaggg	gattgtaaac	taatcttact	tagtcaatgt	ttcatagaat	gcttttggtta	60
caatcaggtt	ttttaaaagac	tttaaagggt	ttttgtatgc	tataatatat	gcttatgatt	120
tctaaaaatt	atgcagtata	cacaaagggc	ataaagtcaa	aaagtgtgtc	tccctctgtg	180
actttattct	catacccag	aggtatataa	tttcttgat	tcttggttag	tctttaagaa	240
atgttatcgg	ttattttata	tatggctctc	tctctgtatg	cctcttcctg	ttcttatttt	300
aaatgttcaa	gtttgtgact	tggatcttgt	ttaacttgga	tgactttcca	tattgccacc	360
ttccagctct	aacattaatg	tctccaggat	tccattatg			399

<210> 846
 <211> 395
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (395)
 <223> n = A,T,C or G

<400> 846						
cgttgctgtc	ggattttcag	ctgttacagt	tttacagttt	ttagaggtag	gtaagttggc	60
ttctgccagt	cattcctgta	cctaagtaca	tctacagact	gtatggtaac	agtgtatcat	120
ttggggaaga	acattctttt	ctcctccccc	accccacaaa	agaaaaacaa	cagcacattt	180
attttctact	tcaaattagc	agttgctact	gccctgggag	gcttccttaa	gagttgttgc	240
tgaagattca	attaaaaaca	cacctgcttt	cgactgttgt	ctgctaaatg	ggaggagaga	300
agtcgcgtac	tcttctatgg	cttgctctga	taggcctcat	agccctccct	ttttcttgtc	360
tcctgaccag	ggcttataag	gagttggctt	agaan			395

<210> 847
 <211> 416
 <212> DNA
 <213> Homo sapien

<400> 847						
aatgatgtaa	aataagactt	atcttccttc	cccatgggtcc	ttcattattt	aaaaatagcc	60
attatgtcat	tcctaaacat	tctgttttcc	acctttaaaa	gtccctagtt	cctccatgtg	120
tttacactaa	tgatgttttt	cttgtaagca	tctcaaagag	tcttccaaac	atattatata	180
tttgtgacag	atgaagaaat	tggagtacag	agatgtggag	taacttttga	gatgttgaag	240
agcatgtcag	ggttcgggtt	tagagtgtta	gggtctacata	tactgtttcc	agattgttct	300
ttgccctggg	cacgggtgctc	tgccataggg	cccatattgga	cacacctcta	ttaatgcagc	360
aaccagaatg	aaacacgttg	ttcacaggct	tttctaacca	tccgaagagc	agcagg	416

<210> 848
 <211> 417
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(417)
 <223> n = A,T,C or G

<400> 848
 cgattcgaat tcggcacgag gagacttctg tcagtttctg cttgaaattt tcccattttt 60
 aagagaatat gggaacattt catatgatct ccatcacgaa gatagtgaag atgctgaaga 120
 aacatcagtt ccagaagctc cgaaaattgc tccaatattt ggaaagaagg ccagagtagt 180
 tataacccag agccctggga aatacgttcc cccccctccc aagttaaata ttgatatgcc 240
 agattaaact cctagagagg acccaggcac acacagactc cacttgggct tcgcctcttg 300
 gtcattcatt ccaaacctgg aaatggaaac aggcttcana cactcgtctc acgccgtgtt 360
 gagatcaccg ctcatcagat gatcatagat gaggtggttc agatgggggg tgtgtgg 417

<210> 849
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 849
 tacggctgcg agaagacgac agaagggagg aaaggatctt attatacacg aatgttgtca 60
 tacagtgcac gcaatgtcca tccagccttt gaagatatcc ctatttccat taaaaatctt 120
 tgtgtcttat tagtattagt attaattctta ttttccagaa gtaggattcct agagaaaaga 180
 aagatataat ttcaaaaaga cccagaaagt tatccaatct cattgccaat ctgacgatgc 240
 taaaaccttg gcatctcaca tgaagctgtg gaaactagta ttgtttccaa aattcttcca 300
 tctctattgt tattgccatt acaatcattc acaaagtaat tagatgtcag gatagtttgt 360
 tttttaaagg 370

<210> 850
 <211> 384
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(384)
 <223> n = A,T,C or G

<400> 850
 cgttgctgtc ggaagaattc gtggccgcag gagganantn tttttttttt gttttttttt 60
 tttttttatt tttttttttt tttttttttt ttttttctgt tagaaaaaaa aaaaaccccc 120
 cccccggggg ctgcaccttt ttttttttgt gggggggggg gtctcttttt tccttcccca 180
 cggggggggg gggggggggg gtccccacgg ggggggtttc ctctctcttt cctcttcttt 240
 taattgtttt gtccccact ccccccgcc cgccgggggg gggggggcca actcttcttt 300
 ctttcttcc cccctcctt taaacaaatc aagctttttt cttttcttct catggcctgc 360
 gccattctt gaggggccct cccc 384

<400> 851

<400> 852

<400> 853

<400> 854

ggcacgagga gagagagaga gtgatgttga gagagagaga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120

```

gagagagaga gagagagaga gagagagaga gagagagaga gtgtctctcc ccccccccc 180
cagagcgagg gggcgcaactt ttctctctct ctctcttttt atgtgtgttg tgtgtgtgtg 240
tttttttttag aggtgtgtgt ttttctcccc ccaactctccc cacacagagc gcgctctctt 300
tctttttttt tacaccccc cccctctcgcg tgtgtgcggg tgtgggagcc cccctcccc 360
ccctgtgttg tccccccctt cg 382

```

```

<210> 855
<211> 391
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

```

```

<400> 855
ggcacgagcc tctctctctt ctctccccct ctctccccct tctctctctt ctccctctct 60
ttctctctcc tctctctcca cgtgtctctc ttctctcccc ctctctctgc tccccctctt 120
ccccgtctct tctctctctc tctctctctt ctccctctct ttctctctcc tctttctctc 180
tgacctcttt ctttctctct ctctctcttc tacctccccct tctctctctc cctctctctc 240
ttctctagct gcacacttca ctactgcaca tcttataact tgcacccctt tcttctgagg 300
aagagaacat cttgcaaggc agggcgagca gggcgagggc tggcttagga gcagtgcaag 360
agtcctgtg ctccagttcc acactgctgg n 391

```

```

<210> 856
<211> 383
<212> DNA
<213> Homo sapien

```

```

<400> 856
ggcacgagag atctcaacaa agcagtgtga atgtccatgg agctgtgcag gactgggtgtt 60
caacagtgcc acctgtgtgt gaagagaagc aggcacaatg gaagctgatt gcagtttttc 120
tctacatctg gtatttcaga aataagacta agtaaggcct caggggggat tggaaaattc 180
aaaagcaaga tattaaactt tataataaca gtgtgtgagg gggagagagg actcagtgat 240
taattagaat aaaacagaga tatgactaga ttctataccc caagctatag gtcagaccag 300
ttgtacagga aatgaatgta tctgcagagc tgtaagctc cttggtgata aaagcttttc 360
agctgttcag attggctgat ctt 383

```

```

<210> 857
<211> 390
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

```

```

<400> 857
tacggctgcg agaagacgac agaagggatg aaatctacaa ccttaatttt atagggtgagg 60
gaattttacc ttggtagagg tcacggtgtt aggtcattat gataactttc aagggtgcctg 120

```

```
<210> 858
<211> 385
<212> DNA
<213> Homo sapien
```

<400>	858						
agctg	cgagaagacg	acagaagggc	ctgaagtctc	acatcctctc	taaattctgtt		60
ctttt	cccacttgta	cttggcccta	gaacttcgga	tcaagagaca	caactcctca		120
catct	caagcctcaa	cagcatcact	agccattcca	gcacggcag	cagcaaggat		180
tcgca	aaaagaagaa	aaaaaagagt	tgggtaggta	aagggtttggg	gggtggggaa		240
tcagaa	ccgtggtgga	ccgccttcac	ctcagcatag	ggatcgaatc	cttccaggat		300
aaggt	gtaggcccg	ctaacactga	gccctagtgt	gatgtccgct	cagagcatgg		360
cagat	tctcccttc	ctcan					385

```
<210> 859
<211> 368
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(368)  
<223> n = A,T,C or G
```

<400>	859					
tacggctgcg	agaagacgac	agaagggagg	cctagcacag	tggtgtggag	ttccagctac	60
tcagaaggct	gaggtgggag	gattgcttga	gcccaggagt	ttgaggctgc	agtgagctat	120
gattgtgcc	ctgtactcta	gcctgggcga	cagagtgaga	ctctatccct	tttnnnnnnn	180
nnnnnnnnnn	nnnnnaaaaa	gcggccgttt	tttcctctgg	gccccgaagg	ggaaaattct	240
ttgggagttt	tgggacaccc	cacaattaaa	agggggggaa	aaagggcttt	tttttgga	300
atttgagac	tttggttttt	ttttccccct	tttagcgggg	gaaaaaaagg	taaaaccaa	360
at						368

```
<210> 860
<211> 385
<212> DNA
<213> Homo sapien
```

<400> 860
cgttgctgtc gatgccatca tgttttttta aaaagcttat gcagcattag aggaatttat 60

tttaatgcac	atztatattc	aacatagaca	ttaattcaga	tttttacttg	ggataaaaaca	120
aattctagtt	ttccctttgt	tttgaaatta	cttttaaaat	atgtctttat	agataaatat	180
aaaatatatt	aagcattttg	aacagagctt	agaagacaat	atttagtact	gtttctgaat	240
atctctttat	atctgaagg	gaaaagccat	caaaatatgt	gaattaaata	cctaaaattc	300
tggttgtaa	aacgtcacac	ttaaccataa	ctttaaagg	agaaaaacc	tttacagtga	360
ccacccact	ctttgatagc	taagg				385

<210> 861
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 861						
tacggctg	agaagacgac	agaaggggag	ccaccgcgcc	tggccagaag	ctcttaattt	60
taatatagac	caatatctgt	cattttttgt	gtgtcctgtt	taagaatttt	tccctactc	120
caaagtaat	ttctatttat	tttctagaaa	ttttattgtt	aagccttta	ttttggatct	180
gtaatccaca	tgaaattaat	tttctctggc	tgaggtggg	cgaagattaa	tgtttttcca	240
tatggatatt	ccatggatcc	caagccatgt	gttgaacaga	tcatcacagc	tttgtgtacg	300
tgtgtctgat	tctgggatct	ctgttctgct	ccattgggct	tgatttgc	tttctgatg	360
actgaaatg						370

<210> 862
 <211> 380
 <212> DNA
 <213> Homo sapien

<400> 862						
tacggccgcc	agaagacgac	agaaggggga	agctggcaga	tgaaccaggt	ttcaaacc	60
ggtccacctg	attccacagc	taggccctga	tgtgcaagag	ctgcttgcag	caatgattt	120
aaccttcttg	ttttctacca	aaaggctttc	ctttgtagac	tgtctcta	aggcaaatta	180
ggtaagcacc	ctgtgggaca	ggggatgaaa	aaagaaagac	atacagtatg	ttgcagaaaa	240
cttttaaaaa	ttatatcata	acatatattac	atctgatatt	aaccatattc	aatgtacttt	300
catatacatc	atctcttagt	gtcaccacat	atctgtatat	gggtaatgag	gcgaatctgt	360
aattatgctc	attacacagc					380

<210> 863
 <211> 407
 <212> DNA
 <213> Homo sapien

<400> 863						
cgttgctgtc	gccagattat	tgatattgct	tttttatagc	aggctctttc	tctttagtag	60
atgcatactg	cacaatttga	ctgaatacac	gtgcctgtct	cttttgggaa	cccttgaact	120
tgttttttaa	cgctttacag	actttggctt	gcatagtcag	aatgcaagct	aataaatctt	180
atcttcttat	aacactaagt	gctagctgat	ttatttaatc	tttattcatt	gggacaaaag	240
aaaacataac	actgtctcag	ctcaatacaa	ggtcacaaca	aaaattaatg	tataggcatt	300
ttccctgtcg	taatcagcaa	tattttatata	gcagaattta	cataatcaat	acagcgaata	360
aagcgcggca	ttgtttaacg	catacagaac	aagggccttg	gagtc		407

<210> 864
 <211> 383

<213> Homo sapien

ggcacgagca	gaggagcccc	atcttttttc	gccccctcct	gcctttgggg	tgcaagggttc	60
ctgaaggact	tgagtgagat	gtcaccaagc	aacaggctgt	caggctcttg	gcagcaagta	120
ctggcccagc	gactcgcggc	agagtctctc	cttggggcgt	ctgtccttat	caggggtgga	180
tgctgtcaga	cttgctaattg	gtggaatttc	tggcatgtgg	cagggccaag	tgcaagtggct	240
cacacctata	atcccagcac	tttgggaggc	tgaggcacga	ggattgcttg	agcccaggag	300
ttcatcacca	gcctgggcaa	tatagccaga	cccgtctcc	acaaaaaaaaat	ttttaaaaaat	360
tagctgggca	tggtggcctg	tgg				383

<211> 394

<213> Homo sapien

tacggctgcg	agaagacgac	agaaggggatg	ctggactaag	aatccttgtg	gacaggaaaa	60
gtggtgtttg	tatttattat	cctcctaacc	taacctctgg	ctcaatgcct	gacacaaagt	120
aagaattggt	tcaattaatt	aaaaatgaaa	actggctggg	tgctgtggct	cacgcctgta	180
atcccagcac	tttgggaggc	cgaggcaggt	ggatcacgag	gtcaggagat	cgagaccatc	240
ctggctaaca	cagtgaaac	ccgtctctac	taaaaataca	aaaaaattat	ctgggcgtgg	300
tggcgtgtga	ctgtagtccc	aactgcttgg	gagtctgagg	caggaaaatg	gcgtgaaccc	360
aggaggcaga	gcttgcagtg	agccgagatc	acac			394

<211> 394

<213> Homo sapien

tacggctgcg	agatgacgac	agaagggcct	tgtttactgt	ggtccctgaa	tcatgggggc	60
tgaatttgat	gtcttcaccc	ttgagatgag	cctgctggct	tagctgagga	atgtcctgct	120
gaggtttctt	aggtttcctt	gggtttctaag	gatatactgg	atataccatc	ttttagcaag	180
agtatctggt	agcattttaca	gatagcatag	acattgggtat	gcacttcttt	ccccagatag	240
gaagtaaagg	aggatttagt	tgcattgaaaa	aaggatgtta	aacattgatt	acataggagt	300
aaagatgaat	gagctgcaat	attcagtcgg	agctaaacaa	taagatcagg	gaaggtaaaa	360
atacctatgt	ggaatatatt	gaatcgtaag	cttt			394

<211> 384

<213> Homo sapien

<221> misc feature

<223> n = A,T,C or G

<400> 867


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<210> 871
<211> 373
<212> DNA
<213> Homo sapien
```

```
<210> 872
<211> 408
<212> DNA
<213> Homo sapien
```

```
<210> 873
<211> 398
<212> DNA
<213> Homo sapien
```

```
<210> 874
<211> 400
<212> DNA
<213> Homo sapien
```

<400> 874

```

ggcaccgagga gacttctgtc agtttctgct tgaaattttc ccatttttaa gagaatatgg      60
gaacattttca tatgatctcc atcacgaaga tagtgaagat gctgaagaaa catcagttcc      120
agaagctccg aaaattgctc caatatttgg aaagaaggcc agagtagtta taaccagag      180
ccctgggaaa tacgttcccc cccctcccaa gttaaattt gatatgccag attaaactcc      240
tagagaggac ccaggcacac acagactcca cttggccttc gcctcttgtt cattcatccc      300
aaacctggaa atggaaacag gtttcaaaca ctgcgtctac gccgtgtttg agatcaccgc      360
ctcatcagta tgcacatag atggaggtgg tttcagtatg      400

```

<210> 875

<211> 390

<212> DNA

<213> Homo sapien

<400> 875

```

cgttgctgtc gggggaggtg tgggaggttt tttctcctgc ctacctctct cagaccattc      60
tcttgagggc accatacaat cctcttcccc caaagcgggg cacagaaacc agaactcctc      120
cccaaagcca gccacagAAC ctaaaaatac gactctaact ttcctccgc ctttctgtgt      180
agaaattggt tataaagaaa ttcttggccg ggtgcggcag ctcgagcctg tgatcccagc      240
actttgggag gctgaggtag gcggatcacc tgaggtcaga agtttgagac cagcctaacg      300
tggagaagcc tctctactaa agatacaaga ttggccacgc gtggtggcgc atgcctgtag      360
tccgggttac ttgggaggtc gaggcaggag      390

```

<210> 876

<211> 385

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (385)

<223> n = A,T,C or G

<400> 876

```

tacggctgcg agaagacgac agaagggaga gatgggggtct cgctttgttg gcgcaatcct      60
cccacctcag actcccaaag tgctggaatt acagttggga gccactgtgc ctggcctgga      120
agactttcaa cttgtgtctc agtgacgttc ttgactcacc tctctgggcc tcaggttcta      180
caaatgccag acacctagcg aagagctctg caggctttcc actgcctgta ttggaaatct      240
tgcaattcac ataattattc agtcactgcc tggnaccttt atcttcccat cccactaatg      300
ttagtggttt ttaatggagc ttttattctg agaatatgtn ngttgctgtt tggttgtttt      360
ttgagacaga gtctcacttt gtcac      385

```

<210> 877

<211> 370

<212> DNA

<213> Homo sapien

<400> 877

```

cccatcgatt cgaattcggc acgagagaga actagtctaa gacatagagg ggatagggac      60
actgtaatca ggtcacctgt gaaagaaact ggcattaaaa aggtaagaat ttttagacat      120
gcaggcatga gtcagccatc agtgattaat gactatgact gtaggctcca ttctttgtgt      180

```



```

ttcttctgtg tattagtttt tcccatgaaa tatttaatgc aggggtgtttt tttttttcca 240
caaagctatt ttacattatt tgaaaataca gcccgagcgg gggggctcac gctgtaatc 300
ccaacacttt gggaggccga gggggatgga tcacctgagg ccaggaattc aagaccagcc 360
tggccaacag 378

```

```

<210> 878
<211> 398
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

```

```

<400> 878
ggcacgaggt gacccgagtc cttcagcaga ccatgacaaa acaacagggt ttcttggttg 60
agaggtggaa acagcggatg attctggaac tgggagaaga tggctttaaa gaatacactt 120
caaacgtctt ttacaaggga aaacgggttc acgaagcctt ggaaagcata ctttcacccc 180
aggaaacctt aaaagagaga gatgaaaatc tcctcaagtc tggttacatt gaaagtgtcc 240
agcatattct gaaagatgtc agtggagtgc gagctcttga aagtgtctgt caacatgaaa 300
ccttaaacta tataggctcg ctggactgtg tggctgagta tcagggcaag ctctgtgtga 360
ttgattggaa gacatcagag aaaccaaagc cttttatn 398

```

```

<210> 879
<211> 394
<212> DNA
<213> Homo sapien

```

```

<400> 879
ggcacgaggt cgctgctgag cctctttctg tcagcattct ggctggggct tctgtacctg 60
gtctctcctt tggagaatga acctaaggag atgctgactc taaggatgaa gagggcacct 120
aggggtggga attggggggc tcaaagttgc ttctttgaga accttgaagg cgtggggggc 180
tttgggaggt gtccaggggg acagggagcc aacccacagg cgcccacctc ccacctccag 240
tgagtaccac gagcgcgtgc gctcccagg gacagcagct cagcagctcc aggccagct 300
ggataaactc cacaaggagg tgtccactgt tcgggcagcc aacagcgaga gagtggccaa 360
gctcgtgttc cagaggctga atgaggattt tgtg 394

```

```

<210> 880
<211> 388
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

```

```

<400> 880
ggcacgagga aaccgggaaa actgttccca ttaggcttgt taatgtcaga gtgacactat 60
tatgaatctt tctctccctt tctctgcct gtttcttctc tctttctcct tcaaacttgc 120

```

```

tctgcagcta aggaaggtga gtctactttc cctgaggctt tggggtcaga gtatatgttg 180
tttggagaaa gagggcaatc aggactcttc tgggaccag atgagttctt cactagccct 240
tctgaacccc ttgctccata attggtcttt tatectggct ctgaatgacc ctgcagggtca 300
tcatggnttt ctttttttat tgggtttttt tttttctgaa acaaagtcta actttgtcac 360
ccaggctgga gggcaggggc gcgatctc 388

```

```

<210> 881
<211> 381
<212> DNA
<213> Homo sapien

```

```

<400> 881
tacggctgcg agaagacgac agaagggatc ctgtgtaccc accatctagc agtcttcatg 60
taccctgag gtcagcttgg aattcagatc ctgttcagg gtcccgaacc cctggtcctc 120
gaagagtaga tatgccccca gatgatgact ggaggcaaag cagttatgcc tcccactctg 180
gacacaggag aacagtggga gaggggtttc tgtttgttct atcagatgct ccagaagag 240
agcagatcag ggctagagtc ctgcagcaca gtcaatggta aaggttattc ctttcctttc 300
ctggagctac acctttcttt gtaaaactgt actgtgggac gggcgcggtg gctcacacct 360
gtaatccag cactttggga g 381

```

```

<210> 882
<211> 387
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G

```

```

<400> 882
cgtgctggng gnttgccccg ggagtgcagc tgggctcctc ccgctcctcc taggcaatgc 60
tcctggggag tctgtgggga agatgccatc cagggtgctg tgcgctcttc ctcatcctcg 120
ccctcctgct ggacgcggnc ggcttggtcc ttttgctgct ggggatcttg gccccctga 180
gttcctggga cttcttcac tacacagggt ccctgatcct ggctctcagc ctactgctct 240
ggatcatctg gtattccctc aacattgagg tgtctcctga aaaactggac ctgtaatttg 300
gccatgggaa gaggagaaga gacgcagggt ctgtatgcag acatgtctgt gaacctgggg 360
ctcttgggca gcaacacgtt gcagctt 387

```

```

<210> 883
<211> 370
<212> DNA
<213> Homo sapien

```

```

<400> 883
tacggctgcg agaagacgac agaagggctg ccaagcccta ttaagtagta atgtggggaa 60
accactgtg tcaagtgcagg aagccctaga caaatgtttt caaataaatt tcactgcca 120
gcctgcagag atttccattt gaagtacttc ccatccacc tgacacccaa aggggttttt 180
ttgttttggt ttgtttttga gacaggggtc tgctttgttg ccaggctgg agtgcagtga 240
cgtggtcata gctcactgca gcctcaacct cctgggctca agtgaccctc ctgcctcagc 300
ctcccaaagt tctgagatga taggcatgag ccattgtgcc tagcctattt tgattttttt 360

```

cttagagtca

370

<210> 884
 <211> 383
 <212> DNA
 <213> Homo sapien

<400> 884
 ggcacgaggg tatagtctgc ctccccaccc acggctggtg gaacctgagg gcccccggcg 60
 ccaccagagc ttcgtggctt aatgggggag gcgaggagcc actgcggacc tgctcgggac 120
 agtgaagggc gccagtctca gccctcatct gaaacctgct ccgtgaccct ggactagttc 180
 ctgctcctct ctgggcccac tcttggccct gctcctttct ggctgagtaa ctttggagct 240
 gtgccctgaa accctctgcc ctgctgaaga atggagagga ctccccacc agcacctcca 300
 cctaggacac atgggaactg tgggacttgg agcaaagttt tcaagtctct gtgccttagt 360
 ttcctcacct gtaagttggg ggg 383

<210> 885
 <211> 372
 <212> DNA
 <213> Homo sapien

<400> 885
 tacggctgcg agaagacgac agaagggata ggtctgagcc acagtgccca ggccaaactt 60
 tatcttataa acatatttgc atgtctgtga attaataatg tactgcagca tctactaaatt 120
 agaaagagac aggaaacaat ttaagcattc atcaataaag gactgattaa tatatggagg 180
 gacatctaca caacgaaata ctatgcatct gtaaaataga accaggaaac atatttttgt 240
 ttgcatatgg agaatctttt tctggaaaga catccacgac actgggaaca atgggctggt 300
 ttcttgagac aacagccttt ttttcttgtg taaaggaggc ccagaaaact tttttgctgg 360
 aggataggaa at 372

<210> 886
 <211> 404
 <212> DNA
 <213> Homo sapien

<400> 886
 ggcacgagcc ccgccccggc ctcttttccc cttcacgaag ccggtctctg ggcgcgctca 60
 cccctgtgag gaggccggag gtcggactca ggaggtcct tctccactcc cggaagatca 120
 tgtaccagcc cagccggggg gcggccccgc gtctcgcccc ttgcctgcgc gcctaccagg 180
 ctcgacccca ggaccagctt tatccaggga ctctaccatt cccaccctt tggccccact 240
 ccacgacaac cacttcccca tcttctcttc tattctggtc tcccctgcc ccacgccttc 300
 ccaccagcg tcttccccag gttccccac tacctctccc tcagatccag gccctcagct 360
 cagcatgggt ggttctccct ccaggaaagg gggaggaggg acca 404

<210> 887
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 887
 attcgaattc ggcacgagga gcacccccac aaccctagtc aacggcccta tctgtggggg 60

```

cctctgccac atctcagcgg cccaggtga atggctggct gctcagcagc tcagcacgga      120
gagctgggga gagaatctct ggctggggag gggctgctgg agctgctgga cccaggggctc      180
tcccagaggtg gctcagggga gcaggcatct tggggtagcc tgggttgagg cagaggctgc      240
acgtggaaga tggcccaggt cagtggatgg tgccagtcag acagggccat ggtcccaggt      300
gcacccaggg gctctgtcat ggccaccctg gggaccctgc ttgggggggg gggggtgcac      360
caaccatttc ctgggctcgt aaatctagca ggatgggatg gg                                402

```

<210> 888

<211> 370

<212> DNA

<213> Homo sapien

<400> 888

```

tacggctgcg agaagacgac agaagggata attctgacac tgaacacata gtcaaagaag      60
caccaaataa ataccatta aaaacatggt ttgacagtga aaagaaaatg aaatatttat      120
ctttatttga cgttgatcct gaaaagcctc cctgggtaaa atctggaaaa agtgaacctta      180
aacctgtaga tgacattaat gataagatca ttcgtacaat ttttaaaaga ctgaagcatt      240
tatttgtcca aattggcata tggcttcaaa tcttcattac aaatctcact taagaaagta      300
cacagctaaa ataagaaaac aatgggttaa tgtgctatcc agaatgactg ggaacttacc      360
atgaaaaact                                370

```

<210> 889

<211> 413

<212> DNA

<213> Homo sapien

<400> 889

```

ggcacgaggg aacctcctgt atccagaagg gttgttcatg cttttgactg gttatgaatg      60
aaaaaagatt tctgcctttg aggggtttta aaagatggaa ataaggatgt ttgtgatggg      120
gctcttgctt tgcttgggac ataaaagatg attcaatttc acttcagcac ctgacacgtc      180
atcaccaaca tgcttgctta caaggtcctt tcaatttttag aataataatt aaaaacaaat      240
atatagctac tacttcaatt ctaaaatata ccaaagggtg agtattaaaa agcaatccaa      300
gaattttatc ttaatttaag ttttgctttc ctttctccta accaaaatac ataaggtaaa      360
aattttattc aaactggacc tttttaaaac ttcgggagga tggctaacaa gag                                413

```

<210> 890

<211> 377

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(377)

<223> n = A,T,C or G

<400> 890

```

ggcacgaggg aggcagctcc caggagtcca agggccccag gggcaggtcc aaccagctct      60
ctgctcagct tggccttaac ggcggcaccc ccagatctcc atccagttcc tgggtgtacag      120
gcgcagcacc gccgcctcgg agcttgagcc cctcctcccc agctgaccag aaccaggctg      180
agcgcaggag gacaggcacc accggatgcc acaccaggca ggaggaggtg tggacagtga      240
tggtagggcg gccctgcata agcctgcggg tggcctctgg atcctacgtg gaccgaaccg      300

```

tccccccagg aacacacctt catgtagacc ccgaagcctc aaggccgggg ctggagcgga 360
gaccccgagg cctctcn 377

<210> 891
<211> 371
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 891
tacggctgcg agaagacgac agaagggctc ttttgaaaaa tgattttagt ctgctcgtgt 60
ttaggtaggt aacttctctt gatcccaatt ttatacttta aatgatccca gatattgcat 120
tttaaatgag atgagtatat aaaaaatagg aagcagaaaag cataattaaa aattgtgggt 180
acattatcgt gagaccaaat gaccagtcag actcctctga ccaatttcat agaaaataag 240
gaggtatcat ttgaacaagt tgtaacatat ggggaactgtt ttaaacacca tcattaatat 300
caagaaacta ttaggaaatg caagtttgtg tatcgtgtgt gtgtgtatgc tgattttaca 360
cacacaggca n 371

<210> 892
<211> 394
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

<400> 892
tacggctgcg agaagacgac agaagggctc cttccccttt gcagctttgg cgcctcggcc 60
actttctgcc caaactcacc cctggatgaa gggctctaagc ttgctgctgt ctccagcagt 120
gatgggctct actaggaggc attgccaggt ctggtgggct ccttcgggtt ggccctggctc 180
ttctctttga cctctgtaat aactctgagt gccctgcagt ggggagcact ttgaggaggg 240
cctgtgaatg aagccttaac aagtctgtcc agaagctccc tcgtggccgc ctgcatgctg 300
ctgatagttt gaatgtcttc acaagaatgg atcaaaaccc tctgtatata acatggtctt 360
tggttctgca ganggcgatt cttgaagcca cagg 394

<210> 893
<211> 397
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

<400> 893

tacggctgcg	agaagacgac	agaagggcgga	gaagtggcgt	tgcttgctga	aatggacaaa	60
gtgaaagctg	aagcaatgga	aattttgctc	agccgacaaa	agaaggctga	acttctaaag	120
aagatgactc	atgtggctgt	tcaaattgtca	gagcagcaat	tggttgagct	cagagctgat	180
atcaagcact	ttgttagtga	acgtanatat	gatgaggatc	tgggacgagt	agcccggttc	240
acctgtgatg	tagagaccct	aaagagagca	ttgattcatt	tggaacaggtg	ctcatccaag	300
gacagctatt	cgacaggatc	cgatgtactc	agtaccattg	ggccttgaga	accagggat	360
gctcttgtag	ttctcttcac	tggggctttc	ttccagc			397

<210> 894

<211> 391

<212> DNA

<213> Homo sapien

<400> 894

ggcaccaggc	ctgctggaga	accgggccct	cggggatgca	gctcgttacc	acctggtgca	60
gcaactcttt	cccggcccgg	gcgtccggga	cgccgatgag	gagacactcc	aagagagcct	120
ggcccgccct	gcccggccgc	ggtctgcggt	gcacatgctg	cgtttcaatg	gctatagaga	180
gaacccaaat	ctccaggagg	actctctgat	gaagaccag	gcggagctgc	tgctggagcg	240
tctgcaggag	gtggggaagg	ccgaagcgga	gcgtcccgcc	aggtttctca	gcagcctgtg	300
ggagcgcttg	cctcagaaca	acttcctgaa	ggtgatagcg	gtggcgctgt	tcagcccgcc	360
tttgtctcgt	cggccccaag	aagagttgga	a			391

<210> 895

<211> 397

<212> DNA

<213> Homo sapien

<400> 895

tcgattcgaa	ttcggcacga	ggccttgtag	agcagcaacc	ttcgggatga	cacgaaggcc	60
attctggagc	agatcagtgc	ccacggccag	aagcaccgtg	cgttccttgc	cccagagcccc	120
ggcccgaccc	acaacagccc	cgagctaggc	cgtccaccgg	ctgctggcgt	cctggcccca	180
gatattgtccg	acaaggacaa	gtgttcagcc	atcttccgct	cggacagctt	ggggacccag	240
ggccggctga	gccgcacgct	gccagccagc	gcggaggagc	gcgatcggct	gctgcgccgc	300
atggagagca	tcgcgaagga	gaagcgctg	tacagccgct	tcgaggtctt	ctgcaagaaa	360
gaggaggcca	gcagccctgg	ggcaggggaa	ggccccg			397

<210> 896

<211> 384

<212> DNA

<213> Homo sapien

<400> 896

ggcacgaggc	cttgtacagc	agtaatcttc	gggatgacac	gaaggccatt	ctggagcaga	60
tcagtgccca	cggccagaag	caccgtgcgg	tccttgcccc	gagccccggc	ccgaccacaa	120
acagccccga	gctaggccgt	ccaccggctg	ctggcgtcct	ggccccagat	atgtccgaca	180
aggacaagtg	ttcagccatc	ttccgctcgg	acagcttggg	gacccagggc	cggctgagcc	240
gcacgctgcc	agccagcgcg	gaggagcgcg	atcggctgct	gcgccgcatg	gagagcatgc	300
gcaaggagaa	gcgcgtgtac	agccgcttcg	aggtcttctg	caagaaagag	gaggccagca	360
gccctggggc	aggggaaggc	ccccg				384

<210> 897
 <211> 385
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 897
 ggcacgagga gacgtgctgg tcagcatgta caggtcagag gaagggacgc tggcgcccca 60
 ggaacagctc tttggagggg gtggggagca gggccggaac cttgctggcg cttgagccga 120
 ttcagatctg attgagtcac gttggcaaga gctgggtcta ggaccctggg gtggggactg 180
 gagggttgag caggtcgggg cctcagcctc cctccgggtc cccagggagg tctgttccat 240
 ccgcttcctg ttcacggctg tgctcgctgct gagcctcttt ctgtcagcat tctggctggg 300
 gcttctgtac ctggtctctc ctttgagaaa tgaacctaaag gagatgctga ctctaagtga 360
 gtaccacgag cgcgtgctgc cccan 385

<210> 898
 <211> 386
 <212> DNA
 <213> Homo sapien

<400> 898
 tacggctgcg agatgacgac agaaggggca gttaaatacag gtggagcagt attaaatggt 60
 gaaggaacag ccacaaatac tgaggaattt tgggcaaata aaggtttaac atccattaaa 120
 aaggacatga ctgacataag tcatggttat gaagatcttg gcctcttact caaggacaaa 180
 atagcgggac tgaacactaa actctccaaa ttgcaaaaagg ctcaggaaga atcaagtgc 240
 atgatgcagt gggtacagaa aatgaacaaa actgcaacaa aatggcagca gacacctgca 300
 cctacagata ctgagctgt gaagactcaa gttgagcaga ataagttgtt tgaggcagaa 360
 ctgaagcaga atgtaacaaa gtacag 386

<210> 899
 <211> 374
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(374)
 <223> n = A,T,C or G

<400> 899
 tacgggttgcg agaagacgac nnnnaggagc aagacctggg cctggagctc agggtccttt 60
 ttaggtggga taaaaaaga gggacagaga gagggaggaa aagagagggc acggaggccc 120
 agaaagagag ggggacagag acccagagag agagggggac agagaccag agacccaaag 180
 agagaaggac agggaccaag acagggggac agattcggag agaaaggac agaggcccag 240
 agaacaaggg tcccagagac ttcgggacac gcttgatgc agggagggtc tttgaaagca 300
 gggccgtgtt gtccctctg aacctgacc ctccctccag gacgggcggc tgagcaaagc 360
 ggaaatcctg ggta 374

<210> 900
 <211> 394
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = A,T,C or G

<400> 900
 aattcggcac gagaggtgga ggaggccatg ctgggtgtgc tgcacacggt gcttctgcac 60
 cgcagcacag gcaagttcca ctacaagaag gagggcacct actccattgg caccgtgggc 120
 acccaggatg ttgactgtga cttcatcgac ttcaattatg tgcgtgtctc ttctgaggaa 180
 ctggatcgtg cctgcgcaa gggtgttggg gagttcaagg atgcaactgc caactctggt 240
 ggcgatgggc tggggcagat gtccttggag ttctaccaga agaagaagtc tcgctggcca 300
 ttctcagacg agtgcattcc atgggaagtg tggacgggtc aggtgcatgt ggtagccctg 360
 gccacggagc aggagcggca gatctgccgg gagn 394

<210> 901
 <211> 395
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

<400> 901
 cggttgcgtgc gattcgcgtgc cccgagtcgg gcgagcacta tgaagtcacg ttgctgcact 60
 ttctacagga atacctctga gctgcccac cgggagccgc cacatcacag cacaagtggc 120
 tgcagcctcc gcggggaacc aggcgggagg gactgagtgg cccgcgggccc ccagtgaggg 180
 actttgtccc gccagcgcgt ggccagcccc gaggagccgc tgccttcacc gccccgacgc 240
 cttttatcct tttttaaacg ctcttgggtt ttatgtccgc tgcttcttgg ttgccgagac 300
 agagagatgg tggctctcggg ccagccctc ctctccccgc cttctgggag gaggaggtca 360
 cacgctgatg ggcactggag aggccagaag agacn 395

<210> 902
 <211> 381
 <212> DNA
 <213> Homo sapien

<400> 902
 ggcacgagggc gttccagccc tgtaagatgt tgcgcggggg gagctggaac atgaatggga 60
 ttcgagagact cctgcaaggg ggggcaaatt aggaaccac caactgtgcc gccgagggccg 120
 tggggcgcat ttggacgag ctggatgcgg atatcgtctg tctccaggaa accaaagtga 180
 ccagggatgc actgacagag cccctggcta tcgttgaggg ttataactcc tatttcagct 240
 tcagccgcaa ccggagcggc tattctgggtg taccacactt ctgtaaggac aatgctaccc 300
 cagtggctgc tgaataaggc ctgagtggcc tgtttgccac ccataatgtg gatgttgggt 360

gctatggaaa catggatgag t

381

<210> 903

<211> 371

<212> DNA

<213> Homo sapien

<400> 903

ggcacgagct cctttggctc cctgcatggg gccttccagc ccaagagcac gaaccctgag	60
ctgccaccac gactggggcc ggtgccgagc gggctctccc agaaggggac acagaaacca	120
gggaagtggg gtgccatgca cgtgcgtgtg gcttacatga tcctgagaca ccaggagaaa	180
atgaaggggtg actcccacaa gcttgacttt cggaatgacc tcctgccctg ccttccgggg	240
ccctatgggg ccctgcccc tgggcaggag ctctccacc cggcctccct cttcactgcg	300
actggtgccg tccacgtgc agccaaccct ttcacggcag cttccggggc ccacggaccc	360
ttccttgagc c	371

<210> 904

<211> 390

<212> DNA

<213> Homo sapien

<400> 904

tcgaattcgg cactgacctt aatccagttt ggttcaaaca gtactgtgct tataccattg	60
ctaagtatgg tatgtctatg tatgtgcttg gaatggcaga agaatttaaa ggtgaaattg	120
cagtcaatgc attatggcct aaaacagcca tacacactgc tgctatggat atgctgggag	180
gacctgggtat cgaaagccag tgtagaaaag ttgatatcat tgcagatgca gcatattcca	240
ttttccaaaa gccaaaaagt tttactggca actttgtcat tgatgaaaat atcttaaaag	300
aagaaggaat agaaaatttt gacgtttatg caattaaacc aggtcatcct ttgcaaccag	360
attttcttctt agatgaatac ccagaagcag	390

<210> 905

<211> 359

<212> DNA

<213> Homo sapien

<400> 905

tacggctgcg agaagacgac agaagggaga gttttaatgg tctttgtgta aattttaatg	60
gcttttccat tgtttttgct tctcttaaaa agtttaagaa gaatatgacc tcattaaatg	120
tgctgtttta tttggaccag tcacacaaaa tgtctctcta gagttgactt taaagttggt	180
tacagaaatt taaactcaat tccagagatt gaagttgtcc aaacagctca tgggcttagt	240
gtccaaaccc ctgcccagcc ttccctttcc aagttggtgc cacctccagg tagccattgg	300
tggttttcct attactgatg tggctgtgga atgataaggt cctagagggg ccctggctg	359

<210> 906

<211> 365

<212> DNA

<213> Homo sapien

<400> 906

tacggctgcg agaagacgac agaagggggg gtctgttgag ctgtcctggg ctgggtgcct	60
tgctctttga ctgagactgg agacagacgg caacagccac aggcagactg aggtggcaat	120

gctatggaaa catggatgag t
 <210> 903
 <211> 371
 <212> DNA
 <213> Homo sapien
 <400> 903
 ggca ctag ctgc gctt ccaa gaac
 ctgc gact ggtg ggcct aga acag
 ggga ggtg gtgc cgtg gctta tcct ccag
 atga aggt actc gcttg cgga tcct cctt
 ccct atgg ccct tgggc ctct cggc cttc
 actg gtgc tcca gcca ttcac cttcc ccac
 ttcct tga c
 <210> 904
 <211> 390
 <212> DNA
 <213> Homo sapien
 <400> 904
 tcga attcgc actg aatcc ggttc gtact tata
 ctaag tatgg tatgt gaatg aga ggtg
 cagt caatgc attatg aaa tacac tgc
 gacc ttgat tgcag gcat
 ttttccaaaa gccaaa tttact acttt tgat atct
 aaga aggaat agaaa gacgt caatta aggtc ttgca
 attttcttctt agatga ccaga
 <210> 905
 <211> 359
 <212> DNA
 <213> Homo sapien
 <400> 905
 tacg gctgcg aga agagg gtttt tcttt aattt
 gctt tccat tgttttgct tctcttaaaa agtttaagaa gaatatgacc tcattaaatg
 tgctgtttta tttggaccag tcacacaaaa tgtctctcta gagttgactt taaagttggt
 tacagaaatt taaactcaat tccagagatt gaagttgtcc aaacagctca tgggcttagt
 gtccaaaccc ctgcccagcc ttccctttcc aagttggtgc cacctccagg tagccattgg
 tggttttcct attactgatg tggctgtgga atgataaggt cctagagggg ccctggctg
 <210> 906
 <211> 365
 <212> DNA
 <213> Homo sapien
 <400> 906
 tacg gctgcg aga agagg ggtctgttgag ctgtcctggg ctgggtgcct
 tgctctttga ctgagactgg agacagacgg caacagccac aggcagactg aggtggcaat

```

aggaaatctg cccagatggt cagtcagggtg cccaggaccc cagcctcagg ctgctactac 180
ctaaattcca tgacacctga gggccaggag atgtacttgc gatttgatca gactacaaga 240
cgctctcctt acaggatgag ccggattcta gcacgccatc agctagtgc taaaattcaa 300
caaggtgagt ggccggcagt ggaaggctgt tgctcattct gatttctgtt ggctctattt 360
catgc 365

```

```

<210> 907
<211> 348
<212> DNA
<213> Homo sapien

```

```

<400> 907
tactgctgcg agaagacgac agaagggaca tatggccaaa catgcatatt aaccagtttg 60
gttttttcac ttaccaatat gatttgaaga tcattccgta ttcagcacat acgtctgttt 120
ctcgtaagt atttatttac acctcacaac aactctgtac tccccgtta ctccccatt 180
ttacagagga gactgtaggt ctggagatat taaatgactt gctgtgggtc acacaattga 240
taagaggtag agttcaaatt tgacttcaga gttctttaga gctcttgacc aatagactct 300
tccacatggt acatgtggtc ttcattctac aaacagtgat gtaatgag 348

```

```

<210> 908
<211> 362
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(362)
<223> n = A,T,C or G

```

```

<400> 908
tacggctgcg agaagacgac agaagggatt tcccccttgg gccaccggct tcagggtgcc 60
ccaaaacccc cactctgccc cacagggctg ccaaagccag cctccttgac aacatctggc 120
tgacgngag gggagggcag taagagccgc cacagaaaac aggaattcat gngggagtg 180
gggttgagga ttaacgttga gtttcaagac atccctcgct ccagccactc tgtgagctg 240
ctgtggggtc gctacacaca gtcctcacc ctgaagctgc tgggtccctt gataacacgc 300
tcaccttccc agggaaccag ccacagantt agaacagatc cggagctggt cagcctaaga 360
gg 362

```

```

<210> 909
<211> 360
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

```

```

<400> 909
tacggctgcg agaagacgac agaagggccc ttgagacagg aagcccctgg aggtttcaca 60
ccaattcaca agctcttacc caaggttaga acaacaaaac ccattgacct gaaagtaccc 120

```


<212> DNA
<213> Homo sapien

<400> 913
tacggctgcg ataagacgac agaaggggta aatacatttt tcttttttat gtaattaatt 60
aatcaggga tatagatttg atctgtaatt tgggtataat tctaattctt gctgaaatca 120
catctcaagt ataatgaggc aactttatgc aaatgtactt gttgtgacaa caataacatt 180
ttcctttttt tttttttttt aaaaacgatt tttttttttc cccagggggg gggggctggg 240
gggaaatttt gttaaatgga aacttttccc tccgggttta aacaatttta acggcctaac 300
ttcctgaga ggggggataa cccccccccc cccagttatt tttttttttt t 351

<210> 914
<211> 351
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (351)
<223> n = A,T,C or G

<400> 914
tacggctgcc agaagacgac agaagggcgt caacatcttt ctggatgctt tctcatctct 60
caaataagcc aacaggacta gatctgatgt tcttgaacac ctacgtcttg gcaatctatt 120
ttaagcagac tctcctagga cctcccatgt taccatcat ctgagagcaa cgtttatcaa 180
acattttttt tacattaccc cctacagag ctatttaaca tttttttgtg actgcaaccc 240
tctctttttt gtgatcttca ggttcccctg gggtagtctt ttacataaca gnaagattct 300
ttactattat gtgactgaca tgttttatag gaatattgac actagaaaaa g 351

<210> 915
<211> 361
<212> DNA
<213> Homo sapien

<400> 915
tacggctgcg agaagacgac agaaaggctt tccatggtag tattcctgga ttcctaacct 60
ttcacacgtg cagccatcac tgtgggaaca ctgaggactt caggaatggc tcttgacagg 120
agcccagcag tgccaacaca ctcttactac tgtaaatggt aaataacaag aaaacaattc 180
ggtttctgag atgcactcag tgggtgttta ttctttgcaa tcattattgg catctgaagt 240
cctgggttga ggaattagaa tcaacagttc tttttccatt tcaatttttg caacatggtg 300
ggaataattt ctttttcggt ttgctttgaa ttataggcaa aagctcccaa gtgcgtggtt 360
g 361

<210> 916
<211> 350
<212> DNA
<213> Homo sapien

<400> 916
tacggctgcg agaagacgac agaagggata ggtctgagcc acagtgccca ggccaaactt 60
tatcttataa acatatttgc atgtctgtga attaatgatg tactgcagca tcactaaatt 120

```

agaaagagac aggaaacaat ttaagcattc atcaataaag gactgattaa taatatggag      180
tacatctaca caacgaatac tatgcatctg taaataagac caggggaacat atttttgttg      240
catatggata attttttctg aaaggaatgg tagaactgga acaagggctg gtgcggggct      300
tacgtgttat ccagcacttt agagccaggc aagtgtcact ggagccagag      350

```

```

<210> 917
<211> 367
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G

```

```

<400> 917
tacggctgcg agaagacgac agaagggagg atggtgagtg cacagcaatg gacagaatga      60
gggatggctg gtcccacaga gttagctgtg gctaaaaaaa actgtctcta gagagaggag      120
agattgggtg gcagtttttg tgactcggac acattaaaac acatacatac tctncaaattg      180
aagtgcattc aggc aaatgc caagaaatac agaattcata tttataaaaa cccaaaagaa      240
aaaggggaaa ccatgccttg tgtgagaata ataaacatca aatctattat tatatTTTTT      300
ttaagatggg tgctccccct ggtgcacagc ctgcagttag tggacacgac aatgntcaat      360
ggcttttg

```

```

<210> 918
<211> 353
<212> DNA
<213> Homo sapien

```

```

<400> 918
tacggctgcg agaagacgac agaaggggat ttttctcccc aaatatctga tctcttttgg      60
aatctctttc tattatgata gcgccattct gatctgacat attcttttac aaccttcctt      120
cactttcaat taatattcaa gtcatatctc tgtttcagag ctgttttctc aaatcaattc      180
ccacaaacta atatccacag ccttcagctt tgctgtgctc caggctctca tcttgtctca      240
attgtgtcta atagtacctg ttccctttct ctaatattac catataattg tttatattgt      300
tcattggcca ggtttctcag ctatagagaa atccactcta gctagttaaa taa      353

```

```

<210> 919
<211> 352
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

```

```

<400> 919
tacggctgcg ataagactac annaagggga gggagcaggg ggctcattgg acaaagactt      60
gacctgagtt ccaaaaaatc aaatttcagg gctattggcg cattatcgta gccacaaaac      120
gttgggggtc atgttacctc ttttgtccag ggggttgtgt gttcccttct cactgaattg      180

```

```

gatttgacat tcaatttgaa ttgacagtga acttcggggg aattcctttc agaaacctga      240
atcatttttag gatctgggaa gcattactct gtggcagggg ctcttaacca aaaagcccat      300
cgctagaatt ctagggtctc tgaatttgga tgggaggaga aacacaacaa aa                352

```

```

<210> 920
<211> 349
<212> DNA
<213> Homo sapien

```

```

<400> 920
tacggctgcg agaagacgac agaagggata atacttttag cctcaaagt gcttgccata      60
gaggtgagac ttagagcaaa aattacaact aaaaagaacc aaatctgact tattcatgcc      120
aatagaagaa gacttcaagg caatgtgtga aagcattcag catgcaagca gaaatgccgc      180
attttcacat ctggctccag ccctgtggat tttgagaggc aatgtggcct taaactcttt      240
catagctgat ttaagcctca cctcttctgt gaagtgtctc cgatctctgc agcccataaa      300
ggtttctagt tccatgaaag gaaggaaaga aaagaagagc gacagcagg                349

```

```

<210> 921
<211> 351
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (351)
<223> n = A,T,C or G

```

```

<400> 921
nntttggctg cgagaagacg acagaagggg tctgtgggtc agatacagta ttttgatgat      60
ttcaatcaat aactctgcaa gccttgggtg tattactggg gtctttttct gtctgctttc      120
ccccaccccc gtccccacat tttatttgct ttctcaaaag catctgcaca cagatacacg      180
gggtggacatc ctgagaggca ggggtgactca gccgaacaga accctgcaac atgcaactggc      240
aaaagtgcc caccacgcgt cgaacacccg accttgtcat ttaccacagg gtgctagcac      300
aatcagtgtg ctatgattga ggggcgggtc ttccccctgc caactaaacc c                351

```

```

<210> 922
<211> 352
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (352)
<223> n = A,T,C or G

```

```

<400> 922
tacntttgcg agaagacgac agaagggcta aaaagctcat ctaaaagcca ggctctagtg      60
ccaattcaag agcctgggac tcaatgtgag ctgagccaga atcttcagaa tctctatggg      120
accccagtat tcaggcctgt tctagagaac tcctggctct ttccaaccag aattggaggt      180
aactttaacc atgtttcctt gaaagcctcc tgggttatgg gccgcccctt tgggtcagag      240
cagaggccta agtgggtcca tcctttgcct tttcagaatg cagggggcca gggccgaggt      300

```

aaaagttttg gtattcaatc cttccatccc cagatatattt attcaagtga aa

352

<210> 923

<211> 351

<212> DNA

<213> Homo sapien

<400> 923

tacgtctgcg	agaagacgac	agaagggcga	gtgggtgttg	agaagacatg	agaggctgct	60
gagaggctgg	gaatttcttg	ccctggggca	tgatatgggg	accccaggca	tgggctagag	120
gcagagtctc	atgctgggag	gaggtgagct	gggaggggaa	tgtttgctgt	gactgtggct	180
gagtcttagc	ctggatgatg	gaggctcatg	ggtagcagca	gtcgctctac	cctgaatatt	240
gttcaagggt	tgtgcaaatg	ttggtgtggg	gctggtggga	cagcagctct	gctgctgggtg	300
tggactgcac	gggaaatcca	gaacagcagt	catgagggtt	gagggcctgc	t	351

<210> 924

<211> 349

<212> DNA

<213> Homo sapien

<400> 924

tacggctgcg	ataagacgac	agaagggaca	tgtgtgttaa	ctttctcatt	taacataatt	60
gcatttcact	gagaccttct	ggaaccaaca	agaaaacctt	aatatggaac	tgcaatgatg	120
ggaatttggg	gcattgaaag	aagttgggtt	ggcaacattg	cttgggtgat	ttccttgcta	180
acattgtact	gtaaggtgtg	agggcctttg	cattaaactc	tgactgggct	ctgtaaacct	240
gagcctcatt	cttagaacct	cttgagcccc	ttgatgttgc	ccagtcaagt	ccatagtgac	300
tgtaggggct	gaacttcaag	ggccactttt	gcttatagcc	atcacctga		349

<210> 925

<211> 363

<212> DNA

<213> Homo sapien

<400> 925

tacggttgcg	agaagacgac	agaaggggca	ttcctgttag	aatagataga	gcacgtccaa	60
gggcttgag	atgtggagca	gttggaaca	ctgtggttg	aaattgtgaa	ttggaggctg	120
tctggagaca	ggctggtgag	ggcctgcca	caattccatg	aactgggcca	aatctgggtc	180
ttaccctgag	gttcaggaaa	ctaactgcag	ggtttaggta	ggagattgta	gaaaagtggg	240
gaacacccta	atttaaaaag	tgggcacgag	atttgaacag	acacttccaa	aaaaagatgt	300
aggtgataaa	cacgaaaagg	tgctcaacac	ctctagttag	ggaaatcagt	gcagatgaag	360
tca						363

<210> 926

<211> 354

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(354)

<223> n = A,T,C or G

<400> 926
 tacnctgcg agaagacgac agaaggggca ttctgttag aatagataga gcacgtccaa 60
 gggcttggag atgtggagca gttggaaca ctgtggttg aaattgtgaa ttggaggctg 120
 tctggagaca ggctggtgag ggctgcccc caattccatg aactgggcca aatctgggtc 180
 ttaccctgag gttcaggaaa ctaactgcag ggttttaggta ggagattgta gaaaagtgg 240
 gaacacccta atttaaaaag tgggcacgag atttgaacag acacttccaa aaaaagatgt 300
 aggtgataaa cacgaaaagg tgctcaacac ctctagttag ggaaatcagt gcac 354

<210> 927
 <211> 356
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(356)
 <223> n = A,T,C or G

<400> 927
 tacggctgna agaagacgac agaaggggcc agttaggaaa cagttaaagt tgacccagga 60
 ttaaataaaa ttgggaaata gggggaaatg ttctccacat ggacagcaag tcacccattt 120
 gtgcatgctt ttgccccagc tagacacatc tcccacatct ctactgctac cacctgggtc 180
 aagctaccat catcttttcc ctggggccact gtaatatgct cccaagctat aaaatataaa 240
 agctctgcag gccattatct gcttactccc ctcatctact acactccagc catattgacc 300
 tttctttttg ttgttttgtt ttgttttgcg tgagacggng cctcactctg tcatcc 356

<210> 928
 <211> 351
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(351)
 <223> n = A,T,C or G

<400> 928
 tactgctgcg agaagacgac agaaggggtt acatagtaca actgctttat cctttcaaaa 60
 gcagatacgt caatcaaaac ttgacattta tttatctata ttatgctga gttcccttaa 120
 aatgttttgt ctttttccat ataaccaatc atattatttc ctaaaaataa acttaggtat 180
 tgtcacaggg ataagaactt ctgctttcca tactngtgtg tggggatttt gggtttggtc 240
 cgtttttttg agatgaggct cactctgtcg ctggctggag aacaggggag ctatctggct 300
 gggattacgg tgggagcaac gcgcccagcc tgtttttttt aaaggggatc c 351

<210> 929
 <211> 363
 <212> DNA
 <213> Homo sapien

<400> 929


```

tacggctgcg agaagacgac agaagggctg tcctgtccat ttacacggtc tgtgcagtag      60
ctagtcattg aataaagcag aatcagggat tgtgggttat cttcttatag ggcacatgag      120
tagtttgtga gaagacagca ttgttacaac agggcagaac ctcacattct gccaaaaaaa      180
aaaaaaaaagc cctttatttt tggccaaaaa ttgggaaata tcgggattgg gaaactttcg      240
ggttggaag gggccaaaaa accccttgca aaacccatt ttggccttga aagggtattt      300
cttaccgggg gtttttttta tataaatcgg gccttaaaaa aaagaaaaag gattgcttcc      360
ccg

```

```

<210> 930
<211> 363
<212> DNA
<213> Homo sapien

```

```

<400> 930
tacggctgcg aaaagacgac agaaagggct actggacact ggctcttttg aactggtgca      60
aaccagcttt ggcacacctt ggatgttaaa gccactgggt attgagagcc agcatcaa      120
tttgtacagt tcaaattcat tcttctctcc ctcaaaaacc cagcttttgg ctaggtgcag      180
tggctcacgc ctgtaatccc attactttgg gagggcggagg cgggtggatc acttgaggtc      240
aggagttcga gaccagcctg gccaacatgg cgaaaccctg tctctactaa aaatacaaaa      300
attagccagg catggtggcg cacaactgta gtaccagcta ctcgggagggt tgaagcagga      360
gaa

```

```

<210> 931
<211> 347
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

```

```

<400> 931
tancgctgcg agaagacgac agaagggact cttggacacg gtttccaatt tgtcagtttg      60
tcttcacctc tccacaacca cactttgttt ccagaaaaac aaatatacac tacgcctcct      120
ttggagtgtg gtttcggcca atctgttacc tcagtgttgc catcttcatt gccaaagcct      180
ccttttggga tgttgtttgg atctcagcca ggtctttatt tgtctgcttt ggatgctaca      240
catcagcagt tgacaccttc ccaggagctg gatgatctga tagattctca gaagaactta      300
gagacttcat cagccttcca gtctcatct cagaaattga ctagcca                      347

```

```

<210> 932
<211> 356
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = A,T,C or G

```

```

<400> 932

```

```

tacggctgcg agaagacgac agaagggctc cttccccctt gcagctttgg cgccctcggcc      60
actttctgcc caaactcacc cctggatgaa gggcttaagc ttgctgctgt ctccagcagt      120
gatgggctct actaggagggc attgccaggt ctgggtgggct ccttcggggt ggccctggctc      180
ttctctttga cctctgtaat aactctgagt gcctcgagc ggggagcact ttgagggggg      240
cctgtgaatg aagccttagc aagtctgtcc agagctcccc tgggtgccgc tggcatgctg      300
ctgatagttt gcaatgtctt cacaagaaat ggtatcagaa acctcctgtc ataten      356

```

```

<210> 933
<211> 350
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(350)
<223> n = A,T,C or G

```

```

<400> 933
nntnncgttg cgagaagacg acagaagggg catatgccag gctcgtctga ccctgggggg      60
aggatgtagg aagcaggcag agctccgggt cagccctcac aatgggactg aagcaggaga      120
gaaggctggg cagaaggggt gtggggaagt agggcttgct tccatggatg acgtccagaa      180
ggatgtcagg aggaggaata tcacaggagt tatagacatt ggaggggaaca gagactggca      240
caggacctct tcattgcagg aagatggtag ttagaggcagg taacattgag ctcttttcaa      300
aaaaggagag ctctttctta agataaggaa gtggtagtta tgggtggtaac      350

```

```

<210> 934
<211> 355
<212> DNA
<213> Homo sapien

```

```

<400> 934
cgattcgaat tcggcacgag gccagcagtc ctctgcagac atcccttggt cggcctgctg      60
gccttgctga ctttggacct tcaagcgctt cttctccttt gagttccctt ttgagcaagg      120
gaaataatgt tcctgggaat cccaagaacc tccacatgac cagcagccta gcccagact      180
ctctggtccg gaaacagggc aaaggcacca acccctctgg aggacggaac catctggccc      240
tccgacttct tcaccaaacc aggctagagc ctgacctgca gtgtctttga tgcttgcccg      300
gcagcatctg ctctgagcag aagggaatgc cacagggaag acagcagtgg agggg      355

```

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<210> 935
<211> 337
<212> DNA
<213> Homo sapien

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```

<400> 935
tacggctgcg agaagacgac agaagggctt caggtcattt acatgggtgct gagctagaaa      60
ttcaaatcct taagctcatt attttattcc ccactttgtc cagggatggt agaagcagcc      120
agtcagtcct attatactca ttagtttgac agaaatgttt gaaagtatca tatacatggt      180
cactcagatc tttgcttctc ttatgtattt gattaggagg atctaattggc aatgttttga      240
ataactctat tgccagacca tgccatgtac tataagtgtt ctctttacta ctggaaatag      300
agcattagta gtatctttaa aacttatcag attaggc      337

```

<210> 936
 <211> 361
 <212> DNA
 <213> Homo sapien

<400> 936
 cggttgctgtc ggccggctta tgggaagtttc cagagccaaa ggcacagctg cagccccctc 60
 catgctggaa aagcttaggc tttccccctg gggccatgta gatgtctgac cccaaatcca 120
 cagcaccac tttgccctga gatcccccca actcccagaa ccaccgcag gccacattt 180
 ccagctgccc actacacctg tcccaggcca tacctcagga cctccaaaa ggatgtgggc 240
 agaactgcac cccaagaccc cctgctcagt gcagctctca tgcaggcccc caccatgct 300
 gcctgcctcc ctgcagccag gtagcagccc cagaaccac gccacggcct ttccgcagtc 360
 a

<210> 937
 <211> 619
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

<400> 937
 tacgtctgcg agaagacgac agaaggggag ttgaatccaa tgactactaa acacgtaact 60
 aacagattgg atttttttta aactccaggt aggtgccctt catgaaagat atatctaaaa 120
 caaaatgatg cagggaaacc atatacctgt tgtctcagtt atctactgca gtataacaaa 180
 ccaccctcaa aacttaatga cttagtgcg ggcacgtggc tcatgcctat aatcccagca 240
 ctttgggagg cagaggcggg tggatctctt gaggtcaggc gttcgagacc agcctggcca 300
 acatggtgac atactgtctc tactaaaaat acaaagttag ccgggcatgg agtcacgcgc 360
 ctgtaatccc agttacttgg gaggtgagg cagtagaaat atttgaacca cgggaagtgg 420
 cgtttgcagt gagccacaaa ttgtgcactt gactttantc tgggcgacga gtgagactgt 480
 ttctaaaaca acaccaaac aaaccttaat gacttatgaa tgtgggctta gtggccgacg 540
 aaatacacc ttgatggcgg gaacaagatg caaactaaga tctgggcatt tgagagtttg 600
 agaccttgat tctattgc 619

<210> 938
 <211> 623
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(623)
 <223> n = A,T,C or G

<400> 938
 tacggctgcg agaagacgac agaaggggga cttgggaagt tgttaaagtc ctgagtctcc 60
 gtttctcat ctgtaaaaca gggataataa ttatacttta ttaccaagat taaatgactt 120
 tctatgtgtc aggactatt ctaaagctt tacaaattct tgttaaataa ataagaattt 180

```

gccactgtgg gccgggtgcg atggctcatg cctgtaatth cagcactttg ggaggcagag      240
gtgggcggtat cagcaggtca agaaatcgag accatcctgg ccaacatggc gaagccccgt      300
ctctacaaaa aatagaaaaa ttagctgggc gtgggtggcg gcacctgtaa tcccagttac      360
ttgggagggt gaggcagaag aatcgcttga actcnggagg tggaggggtgc antgagccga      420
gattgtgcac tgtactccag cctgggtaca gactgagact cgtctcnaa aaaaaaaaaa      480
aaaaaaaaa ggtggggggc ctttttttcg naaacccaaa ttaataaaaa cccttggtga      540
ttgggaaaca ccccatctaa aggcgggaaa aaacgctttt tggaaattgg aagtattgtt      600
tttggaaact ataaaccgaa aaa                                     623

```

```

<210> 939
<211> 632
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

```

```

<400> 939
tactgtgctgc agaagacgac agaagggcgc cctcctgggt tcaggccatt ctgctgcctc      60
agcctcccga gtagctggga ctacaggcgc ctgcaaccac gcacggctaa ttttttgtat      120
ttttagtaga gacggggttt caccatgttg gtcaggatgg tctcgatctc atgaccttgt      180
gatctgcccg cctcggcctc ccaaagtgt gggattacag gcgtgagcca ccgcgcccac      240
ctaaaacatt tcaaaataag atacgcaagc tctatgtgga agcgaaaggg ggaggcgtgg      300
gagtgtcgat ctacaaaaag agttttatga agtgaaatgg gtatatctca aactgggttg      360
gatggatgca caggctcatg cctgtcatct ttgttatttg gaagcgcggg ccgggcggaa      420
acttgttttt ttttttttaa aacacaaaaa aatgtttttg gaaccctttt tttttgggag      480
gggtgagggt ttttggttct tttgccactc ctttggggga gaaacctcta cccaccccc      540
cccctatttt ttttccagc cccgcggaac gcgcggatgg tggttntttt tattaaaaaa      600
agaggggggg gcgcgcgct gcctcaccac ca                                     632

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<210> 940
<211> 626
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(626)
<223> n = A,T,C or G

```

```

<400> 940
tacgtctgctc agaagacgac agaagggaga acaagtttaa agtttgtggg ttttgaaaat      60
actaccatgg ttggatgctt tggttttgtg tcagcctgtt cttaacctgt agtgtttacc      120
atttaccttc ccgtcaaagt taaagggaac cttataaaac attatagaca cgtatttggg      180
gtgtaccgta gagggagctg ctactttgga aaggactaaa tgtctttagt taaatcttat      240
aattagctta tagttttatt aatttagaag tttagaattt tataagtttt agcataaact      300
tgaatacagc aattttaata taaaagtatt aatttgtaat ttaagaactt ggccgggcac      360
ggtggcttac acctgtaatc ccagcactct gngaggctca ngttgggtga tcatgaagtc      420
angagttcaa gaacagcctg gccaaattgt gaagcctata ttactanaaa tacaaaattg      480

```


<213> Homo sapien

<400> 943

tatcgattcg aattcggcac gaggagagag agagagagag agagagagag agagagagag	60
agagagagag agagagagag agagagagag agagagagag agagagagag acagagagag	120
agagagagag agagacagag agagagagag agagagagag agagagagag agagcgtgcg	180
tctctctctc tctctctctc tctcacacac acacatgggg gtggggcgca cccatctata	240
tcttttacct ctctctgttc tgtgcgccc cccctctctc tctctgtctc tatatatata	300
gctggctgcc cctctctctc ttctctcacc cctcttgtgt ccgtaccctt cttgctctcg	360
agcgctatct ctctcttttt ttctttccc gggggcgcg gctgatatat acactcacat	420
atat	424

<210> 944

<211> 423

<212> DNA

<213> Homo sapien

<400> 944

ttcgaattcg gcacgaggtc gcttcaagta cgcacagtg gtgccctgtg actttggcct	60
cagcactgag gagatcctcg ctgctgacga taaggagctg aaccggtggg gctccctaaa	120
gaagacctgc atgtacaggt cagagcagga ggagctgagg gacaagcggg cgtacagcca	180
gaaggcccag aactcatgga aaaagcggca ggtcttcaag tcaactctgc gagaagaggc	240
agagacacct gcggaagcca caggggaagcc acagagagat gaagccggcc cacagaggca	300
gctgccagcc cttgatggca gcttgatggg gccggagagt ccccccagcac aggaagagga	360
agccctgtga tcaccccaca agaagccagc ccccccagaag cggaggaggg ccaagaatgc	420
acg	423

<210> 945

<211> 357

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(357)

<223> n = A,T,C or G

<400> 945

tacggctgcg agaagacgac agaaggggtga gtcactgtaa gccaaacatt aaaattctat	60
aacttaaatt gaactgtcat atagtttttg ccatttgagg cttcaagagt caaattaagc	120
ctgcttttaa cactttgaaa gacagtgtc tggggaagaa aatgctagct aaatctgagc	180
atctcagtt atgcagaaat tattgccctt atcttcattc ataataagaa tgttggtgaa	240
agaaggaatg aagcagaaaa atgatcactg gattggaaac aaaactcctc tgttttagcc	300
cttactctgc ttctaactgg acaggtgacc ttgggagaaa aaatttaact tccatgn	357

<210> 946

<211> 400

<212> DNA

<213> Homo sapien

<400> 946

```

ggccccgagag agagagagag agagagagag agagagagag agagtgagag agagagagag      60
agagagagag agagagagag tgagagagag agagagagag agagagagag agcgagagag      120
agagagagag agagcgtgct ttttcggtga gagagagaca gaaccccccc tctctctctg      180
tttgttttacg cgccccggtg ggcgcccccc cccccgagtt gtgcccttac aggcgggggg      240
agctctctct ctctctcggg ggggggggaa aaatatctat ctatatacac gcgcgcgtgt      300
cttttttaga gagatgtttt tatctcagag agcgcggcga ggtacacatg cgtctctctc      360
ttagagagggg gcggggagggg ctctctctgt ttttctctcc      400

```

<210> 947

<211> 391

<212> DNA

<213> Homo sapien

<400> 947

```

tacggctgcg agaagacgac agaaggggtt ttccagagga gtccccacc aacaattagc      60
agaaccagtg ccattttcaa tacatcaaga tcaacatcct acactgaaca ttcttagtga      120
cccatagtct ggggtgaaggc cattacactc tcagggattt gaattagaac acaggtaaag      180
ctaaagaaaag tgggagaaga acttgggaatt agaaaaagcc cagttcaaag ataatttgta      240
ttttactgac atgttcagca tagcatgaac tctggctctg ccgaacgtcc agtctgcctc      300
atgtacaaaa gtttctgatc caggggcccgg gtgtggtggc tcatgcctgt aatcccagca      360
atttgggaggg ccaagacaggg cggattatga g

```

<210> 948

<211> 378

<212> DNA

<213> Homo sapien

<400> 948

```

tacggctgcg agaagacgac agaagggggg ggctattatt tgaatttttg gcctttgaaa      60
taattatgaa aacattcatc gttattatcc aggagtttca ctcatcttga gaataacttc      120
attctgaaaa tgatataaca cctcccaaga ctaagtaata ttaacagagc taatatttta      180
tctttttgcc cttaatgcct cctatattgc tggggacatg atagggcctg tgtgtgaatg      240
tttgttgaaa tgaatgaata atacttttta atatatagga gaaaacctaa gcacagcagt      300
ttgtgtgaga cagtgatcag aaactttgcc agttaataga ttgacttcaa tcagggagac      360
agagcctaag tcaaaaaa

```

<210> 949

<211> 357

<212> DNA

<213> Homo sapien

<400> 949

```

tacggctgcg agaagacgac agaaggggtg tggacctttc ccgaggtctt ctcataaagg      60
cttagtgctg agtgctggaa gttagatcac atgcacactg atttctcttc caaactaaac      120
tgatttgga aattattgct gtggcatttc aaaaatcatg tgtattcttc actccctatt      180
ttaacgcgga aaagctaaaa atcgttcatt aattgggagg aaaagattgt gaacatttta      240
tttattcaag aaaccaggcc aggcgcagtg gctcacacct atcatcccag cactttggga      300
ggccaaggca gacagattgc ctgaggtcag gagttcgaga ccagccctgc caacatg      357

```

<210> 950

<211> 359

<212> DNA

<213> Homo sapien

<400> 950

tacggctgcg	agaagacgac	agaaggggaat	gagaacatga	tttttaaaaa	aatattcact	60
cattgtttta	ttttgggtcaa	aatgctacaa	atccttagaa	aagtaaattc	taaagtatag	120
agtttatctt	ttttaactat	taaaacctga	tgaatattac	aggatatgtc	ctaaaagtat	180
aacattgatt	aattagcctt	cagtgttaagc	aacagggtcat	ctccgttcca	gataggacct	240
cagtaaacct	ggatgaacta	gagaattgaa	gataacctta	aagctaatgc	tctttaggct	300
gggcatggtg	gctcacacct	cccaaagtgc	tgggattaca	ggcatgagcc	accgtgcct	359

<210> 951

<211> 361

<212> DNA

<213> Homo sapien

<400> 951

tatggctgcg	agaagacgac	agaagggggag	cggcacccca	aatctgggtc	tcctgtatct	60
ctgtacctaa	agcctatttg	ggtcccgggt	atctacagga	cccccatcta	gccagtgat	120
gctcaaaactt	ttaaattaca	aacttttttt	tttttttttt	tttgaaaaaa	aatttggttt	180
tttcccccccg	gctggagggc	aaggggggaa	atttggttta	accaaattcc	cccttccggg	240
ggggccccctt	ttttttgcct	taacctccca	aaaaatgggg	aataacgggg	gggccccccc	300
cccccgggta	aattttggat	ttttttttaa	ttggggggga	attccctttt	tcccccccg	360
g						361

<210> 952

<211> 381

<212> DNA

<213> Homo sapien

<400> 952

cgttgctgtc	gatattaacc	tggtgtcata	tttgctacaa	acatttccat	gatgaattat	60
ttgtctttta	atattgttca	ttgtttggac	atgtagaaat	gtgttatctt	aggagtcaaa	120
atctgtccaa	cttttgtttt	gtttttccta	ttctatactt	ggaagaactt	attctccaag	180
aagtttgata	aataagtaca	ttatatattaa	tgttttttaa	aaatgggtta	ataaactatt	240
tccccgcaa	ttgtatttta	gccatcttgt	cattatttat	taaccaattc	ttcctttcca	300
cagtgatgta	gtatcttttc	agtttatatta	gttatagagt	cagatatagc	tcttgttcag	360
tgccatactg	ttttttttat	t				381

<210> 953

<211> 358

<212> DNA

<213> Homo sapien

<400> 953

tacggctgcg	agaagacgac	agaaagggttt	gcacatgca	tggtgggcat	gggtcttttc	60
tcgccaccat	tcttagggag	acctccacct	aagtccctcac	ttcacacaca	ctgccttaca	120
cagtgcctga	tacttagtaa	gtgctcagtg	aagtgaatcc	agacaatgta	agagtgtctc	180
tgggcctcct	gggtgttctc	gggccagtta	tgaagggtgca	tggagggtata	ttcccatttt	240
acagatgaag	gaattgaggg	tcaggggaggc	caactagttt	ttctcatagc	caaatagcca	300
gtaagaagtg	gagacaccag	cctgggcaac	atggtgaaac	cttgtctcca	ctaaaaaa	358

<210> 954
 <211> 364
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(364)
 <223> n = A,T,C or G

<400> 954
 tacggctgcg agaagacgac agaagggcat gagccacggt gcctggttct cactgcccc 60
 gcccccttt ttgttaactt cccattgtct gcaagaaaaa ataagtttga tcattcaggg 120
 ttcttgatac atctgtctct gttccctct ccagcagaat ctttactttt caacagaatt 180
 tctgagttct ggctatatga aactattaaa tactctcata ttcagtactt ttaatttcac 240
 atgaaatctg cctgggtttg ttctgttggc agactttcag actgtgcac ttttttttt 300
 tccttcacgt aggccatccc tcaggaaact gtgcactctt ttaaagattt aactggtgta 360
 attn 364

<210> 955
 <211> 344
 <212> DNA
 <213> Homo sapien

<400> 955
 tacggctgcg agaagacgac agaaggggtca ttctgtgat tattcttatt tttctccatc 60
 tacatagtca cactctgac tctcaactct tctgcactct atccctttct tgacctgctc 120
 caaccacacc agccccctgc tgcatagcg acaccatgca taatatcaag gtgaagtaat 180
 ccactctcct acctttccag cttatccct ctgttatatt aatccaatgt gtccttgacc 240
 ccaccagcat ctataattta cttatccatg accttttctc tgccccttac tctctctcatg 300
 accctccttc cttccttatg gacttttagtt tccagtttca ttat 344

<210> 956
 <211> 313
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(313)
 <223> n = A,T,C or G

<400> 956
 tacggctgcg agaagacgac agaaggggaac ctagaattat gttcccagtg aaataacttt 60
 taaacataaa ggcaaataat tcattttcag ataaacacga agtgggtatt taccgacaga 120
 agacatagac tataagtatt gttaaaggca cttcattagg cataaaatta tgatacctta 180
 taaaaaaciaa aatttatgaa agtaaataaa gaacacaaaa atggtataac tgggtggaaaa 240
 atgaaataat tggattngat ttttaaattg tatctaaaga gaatgagtaa tagaataaaa 300
 actgtactat aga 313

<210> 957
 <211> 320
 <212> DNA
 <213> Homo sapien

<400> 957
 tacggctgcg agaagacgac agaagggccc ggagcaggag aagcaggtac aagcaaattgt 60
 gtgggcatgg ccttcatacc cccaagccca gtcctgctcc tagaaataag gagacaaaga 120
 ccttcattgcc tcagaccccc tggcccatcc cattgactcc acagcctcag cttcagctac 180
 tgagctctcc acaaattgtg ctcccactat gtgagactat tttgcatgat acatagatta 240
 ttggatatct aaagacctat tagaaaaata atactaagcg ccgggcgcgg tggctcacgc 300
 ctgtaatccc agaactttgg 320

<210> 958
 <211> 385
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 958
 tacggctgcg agaagacgac agaagggcat gtggtataac aaccattggg agtcttcata 60
 agacactaag ctgaggcagt gaggtagaag tgggtgggtggc tggggagggg gatcgtgatt 120
 ctgctgcagg ataattgcc aggacagagg gagggctgtg ttctcctgcc tgaagatgga 180
 agtaaaggaa cattttaact gggcaaaacc cttcaatcct agcccagctg agcagggagt 240
 tggttttcga aagcagagct atacggacag cccctgtgcc ggatatgacc tnctatatta 300
 aagaaaaagt gaaaaaacag aactgaagga gtagagatct ttctacagtg caaggcangc 360
 tttaaagcag ctttagaaat aatcn 385

<210> 959
 <211> 388
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(388)
 <223> n = A,T,C or G

<400> 959
 ttcggcacga gcagtatcgt tcttagtgct ttggaaaaaa atatttaaca cactgttaat 60
 aaatttggtta tcagaagttt acaagacgaa gggcttctct cgtctgaatt tctagattta 120
 agtcatgaag tgtaaaactg tttcaccag aagtgtact aagcagaact aggagttttc 180
 tctggcttca cctttttcag agccagcagt gctgttttct caagcacagc gtttgctctt 240
 agactctgat ctgcttggtc ctaagcattg cacaggtttc cgaagacggg cagcttcaga 300
 gaagaggnat tattcggaga atgctggtgg gcccatagac tctntggcat agactctttc 360
 gcaggcgagc actctgagtg ggccaagt 388

<210> 960
 <211> 405
 <212> DNA
 <213> Homo sapien

<400> 960
 tacggctgcg agaagacgac agaaggggaat gagaacatga tttttaaaaa aatattcact 60
 cattgtttta ttttgggtcaa aatgctacaa atccttagaa aagtaaattc taaagtatag 120
 agtttatctt ttttaactat taaaacctga tgaatattac aggatatgtc ctaaaagtat 180
 aacattgatt aattagcctt cagtgtgaagc aacagggtcat ctccgttcca gataggacct 240
 cagtaaacct ggatgaacta gagaattgaa gataacctta aagctaattgc tctttaggct 300
 gggcatgggtg gctcacacct cccaaagtgc tgggattaca ggcatagagcc accgtgcca 360
 gtcttttttt ttttttttaa aacggagcct tgctcctttg ccacg 405

<210> 961
 <211> 392
 <212> DNA
 <213> Homo sapien

<400> 961
 cgttgctgtc ggctgcaagt acttatgtgc atgattttga atgaacttaa gttttccaaa 60
 gtgactgtac acttttgatt tccactagct atggagagtt ctgggtgttc ctcatcttcg 120
 acagcatttg gtgcgttcac cgttttgtgc tgtaccatt ctgatagggt tacagtata 180
 tctcgttgtt ataatgcgca attccctcac aacaaatgat tttgagcatc cttctcatat 240
 gcttatttgc catctgtata tcttattaat gaggtgttca gatctttcac cttttttttc 300
 tttttatgct tcggggaggc gacgaacctt ccaggcctgt acattactgg ccgacaacat 360
 ctaaccatga ttttgcttta aatttgcccc ca 392

<210> 962
 <211> 361
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 962
 tacggctgcg agaaagacga cagaaggggg attttttttc ttctttttta gagagagaga 60
 ttgaaaaacg acattaggaa tttcacttta aaatgcgcat tacaaacttc ttaggtgttc 120
 caggaattat caagtgactt taaaatgact tttccaacct gctttgggtt taaaaaatat 180
 attccagttt taatcattgt acaaaaagca cctggagttt caaaacatgt gaatactacc 240
 aagtttctgt ccccaaagac aggcatactt gctaattctt tgggacagat gggacagacg 300
 tccactgtaa tggatatactt gaagattcac tggctctttg catgtggaaa aagaggctga 360
 g 361

<210> 963
 <211> 389
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(389)
 <223> n = A,T,C or G

<400> 963
 ctgaggaagt tacacttaag ctgagacagg tagaaattat ctagttaaca aagggtctgtc 60
 ctaattactc tagttggata accgctccca aaacttagtg gcataaaaca attattttat 120
 tatgctcatg gattctgaaa gtcagaagtt tggaacaggg ctcatatggg gacaattttt 180
 gtctctccca tgatgtctgg ggattcacct ggaaaagact caaaggtgac ttgatagact 240
 tgatggctgt ggagtagaat cctccagaac ttcttccgtg gtcttctccc agtctgactg 300
 ggactattga ctaatgccta tacatagctc catttggcct gggcttntc anagcatgtc 360
 tgcttcagca tagtcacact tcgcatatt 389

<210> 964
 <211> 366
 <212> DNA
 <213> Homo sapien

<400> 964
 tacggctgcg agaagacgac agaagggccc ggagcaggag aagcaggtac aagcaaatgt 60
 gtgggcatgg ccttcatacc cccaagccca gtcctgctcc tagaaataag gagacaaaga 120
 ccttcacgac tcagaccccc tggcccatcc cattgactcc acagcctcag cttcagctac 180
 tgagctctcc acaaatgtgg ctcccactat gtgagactat tttgcatgat acatagatta 240
 ttggatatct aaagacctat tagaaaaata taactagcgg ccgggcgcgg tggctcacgc 300
 ctgtaatccc agcactttgg gaggccgagg cgggcggatc acgaggtcag gagatcgaga 360
 ccatcc 366

<210> 965
 <211> 374
 <212> DNA
 <213> Homo sapien

<400> 965
 tacggctgcg agaagacgac agaaggggtt gagaagctgg gaatggtggt ggaacctaaa 60
 agacttccaa ctctgaggaa attgtggtag aaatggaagc agtataacct atgattgaac 120
 ttaaccgatg taggtgattg agattgtatt tgcagagaca atgcttaaag aaataaaaga 180
 aacccagaca taaaaactga agctttaatg gagatacata aatacatagg accttggaag 240
 acaaatgaag taatataact gcatataatt tgtttacata tataaaacat aggaaaatgg 300
 aaatacagtg tattcttaag tgtacatttc tctgtgtgaa atttattgtg tgcttttact 360
 ttacataatc tgtg 374

<210> 966
 <211> 372
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(372)

<223> n = A,T,C or G

<400> 966

tacggctgcg	agaagacgac	agaagggact	tcttcacaag	ccacttatac	cctttggcat	60
tcttttcttt	gagcacatgg	cttcttttgc	agtttttccc	cctttgattc	agaagcagag	120
ggttcacgtt	cttcaaacat	gaaaatagag	atctcctctg	cagtgtagag	accagagctg	180
ggcagtgcag	ggcatggaga	cctgcaagac	acatggcctt	gaggcctttg	cacagaccca	240
cctaagataa	ggatggagtg	atgttttaat	gagactgttc	agctttgtgg	aaagtttgag	300
ctaaggtcat	tttttttttt	tctcactgaa	aggggtgtgaa	ggtctaaaag	ctttccttat	360
gttaaattgt	tn					372

<210> 967

<211> 365

<212> DNA

<213> Homo sapien

<400> 967

tacggctgcg	agaagacgac	agaagggaga	gagccactgg	gatagacgag	agatgatcgt	60
aagacgatag	gctgagtctc	atccatgcta	ataagaagct	atctgactgc	aagcgaagaa	120
tgctcgactg	gatagactat	aatactcgac	tatattctgc	ctacaaagat	gaactttgaa	180
tataaagacg	tgcagtactc	tgaaggaaa	aggggcataa	ctatgtgcat	gctagtcata	240
tgagagctct	agtgggcctg	gcacggaagc	tcacacctgt	aatgccagca	ctttggggagg	300
ccgatgtggg	cggatcacga	ggtcaagaga	tcgagagcat	cctgggctaac	atggtgaaac	360
cccg						365

<210> 968

<211> 359

<212> DNA

<213> Homo sapien

<400> 968

tacggctgcg	agaagacgac	agaaggggtga	aattgaaggt	tgaatatcca	acatccccc	60
cactgcccc	gtgtctctgc	tcccttactg	agccttacta	ttattcttca	tagccctatc	120
actacctagt	ctagtattca	ctgaactgtg	tcacccacta	gaatatgagc	ataatgagag	180
cagagactac	acctgtcggg	tcagtattct	atcctcagca	catagaatgg	tacctggcac	240
atagcagatg	ctaaaataaa	atttaaataa	ataaattaat	tcaatcaaca	ccttcaaggt	300
gttattatta	cctacaacta	ttgttttaaa	gaggtatgca	ccgtggaaga	tcctggaag	359

<210> 969

<211> 382

<212> DNA

<213> Homo sapien

<400> 969

tctacggctg	cgacaagacg	acagaagggg	gtatgagcac	tgatgaatag	tagaggatac	60
tatggaacat	ctcacaggag	attctactct	gggttcgatg	tcattggttt	gctgggggat	120
gggcatggtc	caagaacggt	tctttgagga	gggactctct	gagctgagat	catagtgagt	180
caaccaagga	gattgattat	tgcaggcaac	cagaattacc	tatcgacagg	accctgctct	240
gaacagtcgc	cgtgattcat	actgtagggg	catgacctat	tatgtgtatg	aaaccaagtt	300
ggtgagttgc	gcccattcatt	cttaaaaaatg	agggcggcatg	gaatttttaa	catctcgcat	360
acatgccacg	gagccttacc	cg				382

<210> 970
 <211> 361
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 970
 tacggctgcg agaagacgac agaaggggtt gtatttctta atgcaactgt atttttattc 60
 actttttata gtaacagcta catgactgca aagctagcaa attttgaaca ttactacagg 120
 gccatttcat aacttctggc actttgaaat atttttacaa aattcaccat ttcaaattatt 180
 agactataac aattttttcaa attgcctatg taatattttg aggagtccct atgtgccaga 240
 tactttttctc agcgccttat atatatatat gtatccattt atttaattcta gagcaaacaa 300
 atgaccattt taaatatgaa taaaataagg caaaagagtt tcagcaagtt gcccaagatc 360
 n 361

<210> 971
 <211> 408
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(408)
 <223> n = A,T,C or G

<400> 971
 tacggctgcg agaagacgac agaaggggtga aattgaaggt tgaatatcca acatccccca 60
 cactgccccca gtgtctctgctg tcccttactg agccttacta ttattcttca tagccctatc 120
 actacctagt ctagtatttca ctgaactgtg tcatccacta gaatatgagc ataattgagag 180
 cagagactac acctgtcggg tcaagtattct atcctcagca catagaatgg tacctggcac 240
 atagcagatg ctaaaataaaa attttaatga ataaattaat tcaatcaaca ccttcaaggt 300
 gttattatta cctacaacta ttggttacia gaggggtatgc accgtggaag atcctggaga 360
 cacanacatg aataaagcca agccagtcct tgccccgtgg agcttgaa 408

<210> 972
 <211> 392
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

<400> 972
 tacggctgcg agaagacgac agaagggaag tgggtgctgtc atatttggtt tctgatactt 60

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agggctctggt tttctgggct agggagaaga ccactgcct tctactgcta ggactagtgc      120
tcagtggcag aaaggcagaa cagtgaagtg ctcatatgct gacatcaggc tgcttgact      180
tgaatctcag ctctgccact tgctgaccgt gtggccttgg ggagaagact tgtcctctct      240
gagccctggt ttctagaact gtaaaatggt gacaatagtc tctgccactc aaaattgaat      300
ggtaccagga ttgagagaga aaatctgtaa atcactgcgt tgtacattca aggcagggag      360
aggcaggcag ggcaagggtta cctatccatg tn                                     392

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<210> 973
<211> 359
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(359)
<223> n = A,T,C or G

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<400> 973
tacggctgcg agaagacgac agaaggggtc cttccttttc ctctcccat agctgctttg      60
aggcagggtt aaagccaagg tgatctgcac cactgcctct tccaaaaagc ccctccctct      120
tttccttaaa gacttttggc cgggcgtggt ggctcacacc tgtaatcca gcactttggg      180
aggccgagat ggggtggatca cctgagggtc gaagttcaag accagcctgg aaaccctgtc      240
actacaaaaa acacaaaaat tagccaggcg tgggtggcagg tgctgtaat ccagctatt      300
cagtaggctg aggcaggaga atcacttgaa cccgggaggc agaggttgca gtgagccan      359

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<210> 974
<211> 364
<212> DNA
<213> Homo sapien

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<400> 974
tacggctgcg agaagacgac agaaggggtga gtcatcgga gccaaacatt aaaattctat      60
aacttaaatt gaactgtcat atagtttttg ccatttgagg cttcaagagt caaattaagc      120
ctgctttaaa cactttgaaa gacagtgtc tggggaagaa aatgctagct aaatctgagc      180
atctcacgtt atgcagaaat tattgccctt atcttcattc ataatgaaag tgttggtgaa      240
agaaggaatg aagcacaaaa atgatcactg gattggaaac aaaactcctc tgtttttagcc      300
cttactctgc ttctaactgg acagggtgacc ttgggagaaa aatttaactt ccatggggct      360
tatt                                     364

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<210> 975
<211> 380
<212> DNA
<213> Homo sapien

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<400> 975
cgttgctgtc gggacagatt acatttttac acctgtgttt aactcttgac tctcaggtgc      60
tggggagcaa aatctgagtc agacagcctg tagaattctc tctaattggga tatttaaact      120
ggccagctca caaaacggca catcttttac tttagatttt aattttattt tattacaact      180
tagatagata gatagatata gtcttttccc tcttttaaac ctgttctctt attgttctgc      240
catccttctc ttctctcaag cctgggcatt gagaaagctg aaggacgtga caatatatta      300
cactctccgg acaacatcct agacttattt tttttattaa taaagctttg agatagagta      360

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tcactctgtc tctcatgctg

380

<210> 976

<211> 366

<212> DNA

<213> Homo sapien

<400> 976

tacggctgcg	agaagacgac	agaaggggagg	gacttctggg	gacaggctgg	ctggggccact	60
gtcctgtacc	acgtcagggt	gctaattcca	gctgcattgg	ctcaaagcc	caaggatgac	120
tggctctgaa	aggtataagg	cccagacctt	ataggatgac	atgtggatgac	aattatatag	180
gcttacagaa	atgaagaact	gtggagtctt	ggcagcctcc	acaaatttca	aaggatttct	240
tcaaaagcct	ggtagtctag	agacttgtga	taagggcaga	tctactgaag	agagccctct	300
atagagggat	accaaacaca	aatgtggaac	tggaactgct	gcaaagagtt	caccaggggc	360
cgggcc						366

<210> 977

<211> 408

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(408)

<223> n = A,T,C or G

<400> 977

ggcacgagga	gagagagaac	tagtctcgag	agcaganatt	tttttttttt	ttttttactt	60
aaaaccagcc	ttgggggggaa	acttttttta	acttgttcaa	accacacctt	taaagcgggtg	120
aaaaaactgc	tcggttcccg	aaattagcgc	tgctaccctt	ttatttggac	ccccctaatac	180
tgcccatagg	ggttttttaa	atcggggcga	attcttttta	tggaatggt	tccggaagag	240
gtgtgccacc	caaaataggg	aaaaaagggt	tttaacaatt	tcctttgacc	ttattttcag	300
ggcccgggg	gagggaatt	ttttaaaaag	tccattttg	cccaaagaaa	tggccacaaa	360
acaccaaaag	tttccttctt	tctgggaaaa	accaggggac	ctttgact		408

<210> 978

<211> 361

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(361)

<223> n = A,T,C or G

<400> 978

tacggctgcg	agaagacgac	agaagggcag	actoctaagt	aataatgacc	ttacttttagc	60
tgaaaaagca	catagcatta	atgaactaaa	gacacaaaat	aataaataca	attgtattttt	120
cccagaatgt	aaagatactg	tcgacatatg	tcatgcagag	catctaagca	gggtcacact	180
cagcagtggc	aggtcctcat	ttctcagctg	cgctccttagt	agagggctgg	taattgcaca	240
gagactgact	cttcctgtgt	ctctgttctc	caggggctg	ggtttctgct	caatctgctt	300

ctttcagtggtg ntcanggtga ggaacaagat gtgaaggaga gtgctgaaaa gaagaagtgg 360
a 361

<210> 979

<211> 390

<212> DNA <213> Homo sapien

<400> 979

ggcacgagga gagaactagt ctcgagactt gttctcttct agtctcgaga gcagtttttt 60
tttttttttt ttttaacaata aacttgccgt gttttttaat taacctttcc cttaataaaa 120
aaaaggggca taaaaaaaaa acatgtttta aaaccccttt tttttacaac tttggccctt 180
ttttactttt acattcagcc tttcgaaaag agctttcacc attattattt tttgaactat 240
aaaaggattt tcccttcatec ctgccccagg gagttaaccc tgtgggactt taaacccctt 300
tccctttttt tttttctttt tttccttaac ccaaaaacttg ggaaaaacac agggaaaaaa 360
aacaaacttt tttttctaga aaaaagtggc 390

<210> 980

<211> 394

<212> DNA

<213> Homo sapien

<400> 980

cgttgctgtc gccccatctt gctagagatg atagatttag tacatatcag aaaatgtcca 60
ccagtatttt tctttgtaag cactgtcagt gcagtgactc tctttttcat ttaactcatg 120
aggatatatt tgtgtgtttt aaagaatctg accagtcatt atatttgtgc tgagctcttt 180
gaagcagact agattttcct tcaaaagaat atttatggcc aggtgcggtg gctcacgcct 240
gtaatcccag cactttggga ggccaaggca ggtggatcac gaggtcagga gatcaagacc 300
atcctggcta acctggtgaa acccgtctc tactataaat acaaaaacaa attagctggg 360
cgtgggtggc tgtagtcgca gctacttggg aggg 394

<210> 981

<211> 348

<212> DNA

<213> Homo sapien

<400> 981

tacggctgcg agaagacgac agaaggggtca ttcatccaac tgttatttag tgagcatgcc 60
aggcacaggg ctgggttctg gtgacacaaa gatgaaaaag aaaagtagat gtagtaccta 120
ttctcttgga gttaatagtc tgatcacagt cgggcacggt ggctcttacc tgtaatacca 180
agcacttttg gaggctaagt caggtggatc accagaggtc gggagtttgt gaccagcctg 240
gccaacatgg tgaaatcctg tctctactaa aaatacaaaa attatccggg tgtgggtggtg 300
ggcgctgta atcccagcta ctctggaggc tgaggcagga gaacggct 348

<210> 982

<211> 395

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (395)

<223> n = A,T,C or G

<400> 982

tacggctg	cg	agaagac	gac	agaagggg	cc	cattgag	gcc	agtc	tc	ac	ttat	60
tcactgt	gga	tgtctag	aag	tgaatt	ct	ga	atct	ca	ac	cc	actgc	120
cctgaac	cccc	atggc	cccc	tccagat	ccc	tgagc	ggat	c	accag	gc	tc	180
acgtcat	cac	ctggga	acag	ggcagg	at	gt	ggct	gag	tag	ctga	cat	240
gttcaca	cct	ggcc	ctgt	gc	tccat	gg	act	ttat	att	taa	atc	300
at	tttata	aaa	tggag	aggt	g	g	g	g	g	g	g	360
aggt	cag	t	ngtt	ggg	c	g	ct	g	ct	t	a	395

<210> 983

<211> 410

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(410)

<223> n = A,T,C or G

<400> 983

tacggctg	cg	agaagac	gac	agaagggg	cg	gaaacag	gga	tcagaa	agga	aatcaa	ataa	60
caggaat	tcc	atcct	gg	aca	aa	agag	ct	ott	gg	acc	ag	120
aattt	ggg	cg	gttt	gg	ttt	aat	ggg	gga	atat	gag	ttt	180
tcatt	gg	ctac	tcagaa	aatt	gagg	cag	tgg	tcact	ct	ggc	tgtaa	240
attgt	ca	aga	ccttt	g	ta	t	gag	gt	g	cc	agg	300
agccat	at	ct	ggag	cc	ag	ca	tga	att	ac	ag	gg	360
tccaca	at	g	gctag	gg	att	tc	gt	g	ta	ca	ctt	410

<210> 984

<211> 371

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(371)

<223> n = A,T,C or G

<400> 984

tacggctg	cg	agaagac	nnc	nnannn	cc	aggt	gt	ctag	ggc	agag	tg	60
aaatg	gt	agt	tact	t	ggg	ga	aa	aggt	ga	ac	ttat	120
tcaa	at	gag	tta	aaa	ag	ta	aat	aca	ac	atatt	t	180
ttaa	att	tga	ctgt	ta	at	ctgt	att	aca	t	taaaa	ag	240
catt	aaa	act	tcaa	at	ag	ca	aaa	agg	gc	acag	tt	300
cga	at	gac	ta	aa	at	at	gg	ag	gg	tg	aatt	360
t	aaaa	aat	gc	t								371

<210> 985

<211> 373

<212> DNA

<213> Homo sapien

<400> 985

tacggctg	cg	agaagac	gac	agaaggg	cca	ggaccag	act	gttcta	agca	ttcacat	tata	60
taaacta	gtt	tctcaaa	caa	cactgt	gaga	tagata	ctac	tggatt	ttcat	agattata	ag	120
atgtaca	ttt	taacat	ctct	gagggc	tatg	tcttat	gata	tggcacc	ata	cagttata	aat	180
tgccagc	agt	ttttctt	aga	gtccata	aaaa	taagatt	gag	aactagt	gat	gtcttaa	aatt	240
tgacttt	ttt	taaaaa	agt	acatcca	aat	ttataa	atga	agaaac	agaa	atgcagg	gag	300
gttaagt	ggc	ttgccc	cagg	ttgtgc	cagtc	aggaat	agca	tagagt	ttaa	atgcagg	agg	360
tctgcct	ttg	tat										373

<210> 986

<211> 373

<212> DNA

<213> Homo sapien

<400> 986

tacggctg	cg	agaagac	gac	agaaggg	gcg	gaaacag	gga	tcagaa	agga	aatcaa	ataa	60
caggaatt	cc	atcctg	gaca	ctgggg	cctg	acaaag	agct	cttggac	cag	tgctgg	atgc	120
aatttg	ggcg	gtttg	gtttg	aatggg	ggaa	atatg	agttt	ccaga	acagg	gtattt	gaaa	180
tcattgg	ctac	tcagaaa	aatt	gagggc	agtgg	tcactct	ggc	tgtaa	atg	gcactct	gtg	240
attgtca	aga	cctttg	ttaat	tgaggg	tgcc	ttggct	gggt	ccagg	atata	cttcac	tata	300
agccata	tct	ggagcc	agca	tgaatt	acag	gggac	aggaa	ttccc	attca	tcggtc	cactt	360
cccacat	ggg	gct										373

<210> 987

<211> 357

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(357)

<223> n = A,T,C or G

<400> 987

tacggctg	cg	agaagac	gac	agaaggg	gttt	acatagt	taca	actgct	tttat	cctttc	aaaa	60
gcagata	cgt	caatcaa	aac	ttgacat	ttta	tttatct	tata	tttatg	ctga	gttccc	ttta	120
aatgttt	tgt	cttttt	ccat	ataacca	aatc	atattat	tttc	ctaaaa	ataa	acttag	gtat	180
tgtcac	agg	atagta	actt	ctgcttt	cca	tactgt	gtgt	gtgtg	tattt	tgtttt	gttt	240
cgttttt	ttt	gagatg	gagt	ctcact	ctgt	cgctagg	ctg	gagtac	agt	gcgct	atctt	300
ggctggg	att	acaggt	gtga	gccacg	gcgc	ccagc	ctggt	tttttt	ttta	atgggg	n	357

<210> 988

<211> 385

<212> DNA

<213> Homo sapien

<400> 988

tacggctg	cg	agaagac	gac	agaaggg	cag	actccta	agt	aataat	gacc	ttacttt	tagc	60
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tgaaaaagca	catagcatta	atgaactaaa	gacacaaaat	aataaataca	attgtatttt	120
cccagaatgt	aaagatactg	tgcacatatg	tcattgcagag	catctaagca	gggtcacact	180
cagcagtggc	aggtcctcat	ttctcagctg	cgtccttagt	agagggctgg	taattgcaca	240
gagactgact	cttccctgtt	ctctgtcctc	cagtggcctg	ggtttctgct	cattctgctc	300
cttcagtggt	ttcaggggtga	gtagcaagat	gtgaagggag	agtgctgaga	aggaggagg	360
tgagggaagt	tgagaaagac	agcag				385

<210> 989

<211> 380

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(380)

<223> n = A,T,C or G

<400> 989

tacggctgcg	agaagacgac	agaaggggtct	ttagttttta	tttgtttgtt	tcccataact	60
ttctagcaac	cgtacttgcc	tccttcgaac	ttggcatagt	tcagtaatac	aaattccctag	120
cccagtttgg	aaggagattg	ttcttttgtc	gctgttcaag	gttatccacc	cgagctgatt	180
tcattgcttg	ctgcattctg	aggctcacgt	gtctgcttct	ttaaagtaacg	ctctcctcta	240
ccaggattct	gaaaccacag	agtagcacgc	aggtcttcag	cgtgacagac	gcctgctcct	300
gctcagatgg	cagtgcggga	cctcaggagg	acagtctgtg	gggctcctca	ctcaacatct	360
cataacctgc	tcatttctaan					380

<210> 990

<211> 356

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(356)

<223> n = A,T,C or G

<400> 990

tacggctgcg	agaagacgac	agaaggggtag	tcccagctac	tagggaagct	gagatgggaa	60
gatccattga	gcctgggagg	cggaggaggc	tgcagtaagc	tgagatggng	cctttgcact	120
ccagcctggg	caacagagga	agactgtgtc	tcaaaaaaat	tttagaaagc	tatagatagg	180
actaccatgg	gacccaacaa	tcctactcct	aacgatatac	cctgaaagat	ttgaaagtgg	240
actcggacaa	gaaacttgat	tctgaaaata	taaaatttaa	gctttggaca	accattacca	300
tagcccgaag	gcggaacaac	ccaagggcca	tgacagaaga	atggaaacaa	aatgga	356

<210> 991

<211> 353

<212> DNA

<213> Homo sapien

<400> 991

tacggctgcg	agaagacgac	agaagggcag	agcatccttt	gtaaactcag	ccttctctca	60
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ggaaagtctt tcttattata actgatattc cttgggctga aactcacacc tgttctctca 120
cttctgatgt agagacaaag aggattcttg accccaaagg acctcctaga tcattgcttc 180
aacctttcca ttttacagat gaaaaaactg aggactaagt aaaatgtggg gagaaatggg 240
acaaaaaccc acttccccta cttgctaaat cagggcggtt ctggtgctct aggagaacct 300
tctttctcac atacaacaat ccccgaggcg gtctacacca ggcctttcac ccg 353

```

<210> 992

<211> 397

<212> DNA

<213> Homo sapien

<400> 992

```

ggcacgagag agagagagag aactagtctc gagagcagtt tttttttttt ttttttggca 60
tggattgaaa cttttataaa aaaaatttcc ttttttttaa aaaataacaa acccggtttt 120
ttgccgggaa cccaccatt ttggccccgg gattattcgg ggacccttcg gaaaacctaa 180
aatccccctt taatgggtggg attggaaacc tccccaaata aaccttttaa gaaaaccatt 240
taaagggttt aggggatttt ggccccctcc cacccttttt atattttggg ccccatgccc 300
acccttttgt ggcgattaac cccccaccaa agggcccaat tggaaaaaat ccatgaatgg 360
gtttttgggc cttggggcag cccttacaaa aaaaaat 397

```

<210> 993

<211> 392

<212> DNA

<213> Homo sapien

<400> 993

```

tacggctgcg agaagacgac agaaggggtg atttctgtca catggtaaag gctgaccttt 60
tttaaggcca agagtggac ttgcttatct ctttaaacct ctaccaactc tgattcttat 120
aagtgcttga gagggatgcc atcagccaag agccaatcat aagggaactt ggacaactct 180
tcctaaatgg gtcctaactg aagctaaaaa gatgatgtct tatttttaca caccaagatc 240
gtgctgccta aattgtagga gattgtagta ccctgggggc taaactgtct gcagttccca 300
gagaaaaagt taatctgcaa aaaatgcaaa gcacaagcta aagaattaac ttctttttgc 360
tatagaaaaa aaagttgtgg cattgagatt aa 392

```

<210> 994

<211> 335

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(335)

<223> n = A,T,C or G

<400> 994

```

tacggctgcg agaagacgac agaagggaaa tcatcttgca gcacaccgag aaaaagggtta 60
gattttgtaa ataatttcaa agtcatgaaa agagcaaata tgctccacaa agagcctagc 120
aacctcaat gacaaatgcc ctttttatat agtttggtat ctgaattaga atcccagaat 180
ctacaaattt ctctgcgtgt ggggtgctgca ttttgggat tttataacac tgccatcacc 240
aagctctctt ttgatattca ctttaaggag gtaatttacg ggcaaccaga gagcataaac 300
caaagtagat atctatctag atagctagat acatn 335

```

<210> 995
 <211> 388
 <212> DNA
 <213> Homo sapien

<400> 995
 tacggctgcg agaagacgac agaaggggta cgtagaata atgtattatt ttagcccttc 60
 atacagcatt tctgtgaaaa ttcattctaa gtaactttcc actttttatt gtacttcctt 120
 ggtttgcat attgcattta ttcttgctca aatgtatctt ccacactaat ttgcttatat 180
 ttattatgtc tcccttcact agaatgtaaa ctcaagagag caggaccttg catgtcttaa 240
 tgacatatct aaaatagtat gtggcatgta gtaggtatgt aataaataat tttggataaa 300
 tatataataa aagtgcctaa tataagtgtc atatgttcca ttaagaaaca gagcgaaggc 360
 cgggcacggt ggctcatgcc tgtaatcc 388

<210> 996
 <211> 378
 <212> DNA
 <213> Homo sapien

<400> 996
 tacggctgcg agaagacgac agaagggcaa gatcaagatt tttttcctaa agagccattt 60
 gtcttatatt agcttcaagc caagccaggg catctgagaa ataccaagcc tccgttggtga 120
 tgtgtcgcca tgaaaatggt ggctgccttc tggatgcaag tctgcttggt ctgtgctgtg 180
 gctcagagtt aaatttagat aaaaatcagt taggagctaa aaatattccc agctttcctg 240
 acaggttgta tccatcatca tgggaggaaa aacaaggaac tggctgctg gcgacaggga 300
 gcgggccagg ctgagtgtga ggtcaggcct cggctggaat ctacaggact ttgaaggaca 360
 gagacgtttt ctgagatg 378

<210> 997
 <211> 379
 <212> DNA
 <213> Homo sapien

<400> 997
 ggcacgagca gtatcgttct tagtgctttg gaaaaaata ttttaacacac tgttaataaa 60
 tttgttatca gaagtttaca agacgaaggg cttctctcgt ctgaatttct agatttaagt 120
 catgaagtgt aaaactgttt caccagaag tgtaactaag cagaactagg agttttctct 180
 ggcttcacct ttttcagagc cagcagtgtt gttttctcaa gcacagcgtt tgctcttaga 240
 ctctgatctg cttgtgccta agcattgcac aggtttccga agacgggcag cttcagagaa 300
 gaggattatt cgggagattg ctggtgtggc ccatagactc tttggcatag actctttcgc 360
 aggcagccac tctgagtgt 379

<210> 998
 <211> 366
 <212> DNA
 <213> Homo sapien

<400> 998
 tacggctgcg agaagacgac agaaggggtt gatttttggg attaaaaatct acttatcatt 60
 ttccaagggt ctctaaaagg tagacaagaa gtgaacatgt aatatgccag tgacgagggg 120

```

cagacagtta gtgttttttg accccaggca ttgctgtgac gtcagccaga gtgggttggc 180
ctgtctgctt aatctgtgcg ggccgcagga gccagggct gcagatcgtt tgcttgtttt 240
tgcctcccct ccccaccag atgactctgt gttcttaaac caagctctaa gttacagtaa 300
agagttctga aaatgttttag tgattcagag gttgacattg ataagggtgt agatggttca 360
ctggga 366

```

<210> 999

<211> 358

<212> DNA

<213> Homo sapien

<400> 999

```

tacggctgcg agaagacgac agaagggat gtaccatttt tggacagga ctgatacagc 60
cttgagagc agtttgggtt tttgacaaaa taaagaggca gtatgcaaaa cctcaaatta 120
aaaagggcta aataatagtc actattataa atcactttgt atttaaaacta cgactttatt 180
tcaagtgggtg gctcaactat tacaactaat cattaacttg acttaaaatt ttaattaaca 240
tttaggggaag gtaagtttca cacctgaggt gctttttaat gaagtctgtt ggcaaatcta 300
gcaaaatatt cagaagtcag gatttaaaat gcagtaaata cctgtattaa ttacaaag 358

```

<210> 1000

<211> 385

<212> DNA

<213> Homo sapien

<400> 1000

```

tacggctgcg agaagacgac agaaggata atattacatt gtaaacaat ttaaaatatt 60
tatggatatt tgtgaaaagc tgcattatgt taaataatat tacatgtaaa gctattttaa 120
agaggttttt tttgtatttt gttaacaaa aattgctcag gagcatgcta agcctgaggg 180
caagttgttt cttagtatga ctttttaaaa aaacatctgc tgagtagcta cagggccaaa 240
gacttgagga gcttgtttct gttgcatttg catatcttct caggaaatta aagtgtgtca 300
tacatatatg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtatgtgtg tgtgtatata 360
tatgtatact tataaaatct tggcg 385

```

<210> 1001

<211> 377

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(377)

<223> n = A,T,C or G

<400> 1001

```

tacggctgcg agaagacgac agaaggatt acgaaatgct tccagctgcg atttcagagg 60
aatccccct gaacccctgg acgtggttct cctatttcag tcacacttct agctatgact 120
ctgcttagac aagatgaagt tgatggatcc attagaaagt ttccactgaa cttgtctggt 180
ccaatttctc tttcctcaag ggcatggaca cagctttggn tctccttctt gcacttagct 240
tgctgctgct cccattcttc ccattagggc atagaagatt acctagcagg tgaaggcacc 300
ctacactctt tggtttttaa taggagaaac ccttcagtca gagagtaatc ttacttttag 360
tctaggtagc tataagt 377

```

<210> 1002
 <211> 385
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 1002
 tacggctgcg agaagacgac agaagggcag gggctggagt tccaccacaca tccagtgatc 60
 acagagggcc tgaaaggagg tcgggttttc tctcagagca atagggaggc atggagggtc 120
 ttgagcaggg gagagatgta attggactcc attttttagca gatgactctg agtgctgtga 180
 ggagaaaagaa ctgttggggg agagcgtggg ggcagggagg cccgtgggga gtcaggaggg 240
 agatgatggc ctctgggact gtacgggtag gggctgatga ggggacacag ggaaatgggt 300
 gggcccaggc atggaggtgt gcggnngggac caccagcagt accagctctc anggctgctg 360
 tgggcacaga gcccggaatg gagga 385

<210> 1003
 <211> 383
 <212> DNA
 <213> Homo sapien

<400> 1003
 cggttgctgtc ggaatggcat atatctaatt gaaaaaccta taaacggcct cctatggaac 60
 ttaaaacaaa aagaaaagta ataaaggaaa tgaatatattc attctggaag agcattgaaa 120
 aagaagagga agaaaagaaa gcacaactcg aactgtccag taaaattaac aacactctga 180
 cagaatgtct gaacctcatc gaagggggtg taccttctaa tgaaatactt aacatattgt 240
 ccagcattcc tgaagctgaa aaatttgcta aattctggat ctgcaaagca aagttgttgg 300
 caagtaaagg cacctttgat gctattgggc tatatgaaga ggccagtaaa aaatggggca 360
 caccaataca agagttgcgg aat 383

<210> 1004
 <211> 379
 <212> DNA
 <213> Homo sapien

<400> 1004
 tcgattcgaa ttcggcacga gcagattcgc acaaaccggg aagcgggtcg cgtggagtga 60
 cggteccacc gcggggatat ctcttccaaa tgcattgatga aggagttctc atccacagcg 120
 caaggcaata cagaagtgat ccacacaggg acattgcaaa gacatgaaag tcatcacatt 180
 agagattttt gcttccagga aattgagaaa gatattcata actttgagtt tcagtggcaa 240
 gaagagaaaa ggaatgtcac gaagcaccca tgacaaaatc aaagagtgac tgtagtacag 300
 accgacatga tcaaggcatg ctgaacaagc tattaagatc agctgatcag cttcatcgaa 360
 ctgctgactc acatattag 379

<210> 1005
 <211> 374
 <212> DNA

<400> 1005

<210> 1006

<212> DNA

<400> 1006

<210> 1007

<212> DNA

<400> 1007

<210> 1008

<212> DNA

<220>

<222> (1) ... (349)

<400> 1008

tannctgcg agaagacgac agaaggggac aatctatctt tgaagacaaa gataaattcg 60

```

agtccccatt ttcaagaggc agcgagaagt aacagcttgt ttgtgtggca ctgattgac 120
cttgtccggg caagtgggtcc ctccacaggt tatccggctt ggcacacaac agacagaggt 180
gctggcggac tgtggaacca gacccgctgt gggtccccc ctcaccctgc cactttctag 240
ctgtgcatct tggacaactg agtgaaacat gcgcctcatt tttctcggga aatgaaacga 300
taccctgacc cattgtgcaa tggagatata acggcattga tgcaggtaa 349

```

<210> 1009

<211> 393

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(393)

<223> n = A,T,C or G

<400> 1009

```

gcctacggct gcgagaagac gacagaaggg agtgaagtag atctccacat gctttcaggg 60
tttttgttgc ccctgggtact ggagcagaga actattatca ggagtaaatt ttatgacttc 120
aatctaggtt gtgaatttgg gtcagccatt ttaccattta aagtctccac ttcttgttct 180
taaacaaaaa aaaacaaaaa aaaaaaacag aataagtcaa agaggagatg agaggtagag 240
gaacttgaaa gtgctcactt ttaaagctag cttctggact tttcttattt catcacttga 300
tggttttgtc tactttccat gaattctaaa ttttatgggtg gggttggaag aaacatgtct 360
tctatatatg ggcagatcca ggttntgtgg agc 393

```

<210> 1010

<211> 365

<212> DNA

<213> Homo sapien

<400> 1010

```

tacggctgcg agaagacgac agaagggaga gcagagtggc gtccccagat gacttcagac 60
cccatagctg ggcaagatgc gcttgttttg gactctgcgc tgagcagAAC cagctcccc 120
aactccagca gagcttgacc tccgccctgt gccctttccc tgctgctggc tctctgctgc 180
atccctgccc gtcttctggg agtgccgtct caccaggcc tgctcccacg agggggctcg 240
tttgtagatc aactctcagc agatagttgc atcatctttg tcacctccac ccccataaaa 300
cacccccctt ggtgtcttcc acactggctg ggactgaact ggtctgccca cgtctgccct 360
gttgg 365

```

<210> 1011

<211> 363

<212> DNA

<213> Homo sapien

<400> 1011

```

tacggctgcg aaaagacgac agaaaggccg gcctcttttt ttcttttctt tttttgagac 60
aaagtctcac tgtgtcacc cagactggaat gcagtgcac aatctcggct cactgaaacc 120
tctgccttcc aggttcaagc tattctcatg cctcagcctc tcaagtagct gggactacag 180
atgtgggcca ccatgtctgg ctaatatattt tttttttttt tttttgtaaa aaacgggggt 240
cccccttgtg aaaaaaatgt gtcttaaaact ccgggcctaa gggaatcggc cccctcacct 300
tctaaaagct cgggaatttt attgggtgaa cccacgtgcc cggcccaaaa agggtttttt 360

```



```

caatctagtt ttacctccct aaactaatct agttttacct ccctaaatta tacatttaat 180
ttcattccct tgctccagaa cattctcttt ctcttatttc ctataggata taagtctata 240
catggtagat ttgctcttat gcattaggga ttttatttga aagccttaag aaaaaaatga 300
aaaatactca aattattttt gaaaatcctt tagaaagaag gcatgttaaa gac 353

```

```

<210> 1016
<211> 367
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G

```

```

<400> 1016
tacggctgcg agaagacgan naaagggggc tgacgaagat ggcgactgag gcacagagtg 60
aaggggaggt gccagcccg cgaatccggcc ggagtgatgc catctgcagt tttgtgatct 120
gcaatgattc ttcccttcga ggtcagccca ttatctttaa tcctgacttt tttgtggaga 180
aactccgaca tgagaaacct gagattttca ctgagttggg ggtcagcaat atcacaaggc 240
tcategattt acctggaact gagttggctc agctgatggg ggaagtggac cttaagttgc 300
ctggcggggc tggccagca tcaggattct tccggtctct catgtctctc aagcgaaagg 360
gagaagg 367

```

```

<210> 1017
<211> 386
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

```

```

<400> 1017
ggcacgagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttttt 60
tctttgcccc cccctttttt tgggggcttt tttcccacc ccttttagggg aaaaaaagga 120
gggggggggg aaaccctttc ccttggtttt ccgggcccta aaaccgaaa acccaaaact 180
cctttttttc cttggggccc ctaattaaaa ccggggccgg ggctttcttt tgggccccca 240
gggccaaaga aagggggccc ccgggtccc agggccccgg ccgggggcct ccagaaaaa 300
cccaaatttt agggcgggcc taaaaacccc agggcccagg ggccggggtt ctcttaaccc 360
ccagaaagca gggccccccc cgggggg

```

```

<210> 1018
<211> 357
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(357)

```

<223> n = A,T,C or G

<400> 1018

tacggctg	agaagac	agaaggga	ctagaatt	gttcccag	aaataact	60
taaacata	ggcaaata	tcattttc	ataaacac	agtgggtat	taccgacag	120
agacatag	tataagt	gttaaagg	cttcattag	cataaaatt	tgataacct	180
taaaaaac	aattttat	agtaaata	gaacacaaa	atgttata	tgtgggaaa	240
tgtaaata	tgtattgg	ttttaaat	tatctaaag	gaattgag	aatagaata	300
aaaactga	ctaataga	atatctaaa	caaaattgg	aggagagt	ccgcagn	357

<210> 1019

<211> 350

<212> DNA

<213> Homo sapien

<400> 1019

tacggctg	agaagac	agaaggga	ctagaatt	gttcccag	aaataact	60
taaacata	ggcaaata	tcattttc	ataaacac	agtgggtat	taccgacag	120
agacatag	tataagt	gttaaagg	cttcattag	cataaaatt	tgataacct	180
taaaaaac	aattttat	agtaaata	gaacacaaa	atgttata	tgtgggaaa	240
tgtaaata	tgtattgg	ttttaaat	tatctaaag	gaattgag	aatagaata	300
aaaactga	ctaataga	atatctaaa	caaaattgg	aggagagt		350

<210> 1020

<211> 385

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(385)

<223> n = A,T,C or G

<400> 1020

tacggctg	agaagac	agaaggag	agacttgg	gcgctgg	aaaggttta	60
aacagacct	cacaactg	tagcctata	tcaggaa	cggctgct	aggagaagg	120
tcgaggtct	tttgaga	acgtgcag	agcagaca	gtggagat	cagggctga	180
cacagacct	cagcagg	acacccgg	gcgggag	ctggagag	acctggcc	240
tctcaaga	aaggtggg	aggagggc	gctgcacc	acagacta	tccgcata	300
gcaggaaa	gtctctct	tcaaggaa	taatgag	cngagggg	tgaagttc	360
tengtcccc	gctatgag	ctgagc				385

<210> 1021

<211> 402

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(402)

<223> n = A,T,C or G

<400> 1021

gaattcggca	cgagctcaga	gtggaccctg	gccogetgtg	accacgcctt	ttgctggggc	60
ctgctgggag	gagttgggtca	ccgtggccca	ctatgacagc	cccagggcc	tgagccacct	120
ctgctgccgc	ctggtcagta	ggggaagcaa	ggttcagcga	taccagggcc	acgtgcccaa	180
cttcctgagc	cagaccagc	gctacctg	gagtcacag	gacccctgc	gccgggcagc	240
caccgtgctt	ataggcttcc	ttgtccacca	cgccagcccc	ggctgtgtca	accaggacct	300
gctggactcc	ctgttccagg	acctaggggc	gctgcagagc	gaccccaaag	ccggctgggg	360
ccgcgcagcg	cacgtgtccg	ctcagcaggg	ctgaatgagg	an		402

<210> 1022

<211> 367

<212> DNA

<213> Homo sapien

<400> 1022

tacggctg	agaagacgac	agaagggcaa	gaaggattgt	cggagaatag	tgcctgtctc	60
tggaccgatg	tgaaaacaga	ggaggggagg	caagctctgg	agccgctccc	tcagggcatc	120
caggagtctc	taaacaaccc	taccctggg	gatttagagg	aaattgtcaa	gatggaacct	180
gaagaagcta	gagaggaaat	cagtggatcc	cctgagcgtg	atatttgtga	tgacatcaaa	240
gtggaacatg	ctgtggaatt	ggacactgg	gccccaaagc	aggagttgag	cagtgtctgga	300
gaattaacga	tacagacagt	cttacagaag	gaagaggaga	ggagtcagcc	aactaaaacc	360
ccttcac						367

<210> 1023

<211> 358

<212> DNA

<213> Homo sapien

<400> 1023

tacggctg	agaagacgac	agaagggcag	aacttggctc	ctctcaccca	ccccgcccag	60
tttccactct	aaaggacgga	gctaaaataa	acagtatttt	aaaggttggg	gcatacaggg	120
ttccaaagca	gatttttagt	tctatcctca	gaagacttgc	cccatataga	aaatattgtc	180
tggagacttc	tcaatcttat	cttaagaaat	aagaatcaat	cctaccccat	gtgacagcag	240
ttaatcttat	agtttaaagt	cagataatca	tgcaacttca	tggtacattt	gtttggagct	300
attagaagca	tggagctcaa	ttaagaataa	cggatttttt	taaagactaa	cgagaggg	358

<210> 1024

<211> 379

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (379)

<223> n = A,T,C or G

<400> 1024

tacggctg	agaagacgac	agaagggcac	ctttgttctg	tcagtgtgcc	tgtgtgcgtg	60
caccttctc	tgccactgcc	gcagtgggg	tgcactctgc	tctttcttcc	cctgccagac	120
caccattgca	gtcagagtgt	tggtggacc	atggaaaatc	agccccactc	ccactagcac	180

```

cacatccttg caccaacact gccacagaag tgaaactagg cacagagaac agcagaccct      240
cccctaccct gagaaccac cccttcatgc agttcacaga gaatgcatac agacctgtac      300
ccaccagcac cctgcccata tgcaccccca agacagcaca atcatgtgta ataataacca      360
gcaggggtcc ccaacctcn                                           379

```

<210> 1025

<211> 370

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (370)

<223> n = A,T,C or G

<400> 1025

```

tacggctgcg agaagacgac agaagggctc ggggaataaa aagcactaat ggacaggaga      60
tgggttttgc aaaccatgaa aggccatgtg cagctgagct ggtattatca ctggagcctg      120
gcacttcgcc ttcactctgt gtttcctctg tgtcagtga accacagcca ctagacgggg      180
agcaactcaa ggtggggccc ggggtgagga gctggagcct gagccccag tggagaagtg      240
agtgggggtc tccagctagg aaggaaaggg tgggaggtgg agagcagccc cagggggcag      300
tcactaagcc ccatgcaggg cagaatgcca ggaacacagg ctccacggng cccagacacc      360
atccctcgcc                                           370

```

<210> 1026

<211> 352

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (352)

<223> n = A,T,C or G

<400> 1026

```

taaggntncg agaagacgac agaagggctg tcacagaaaa agaacaaaaa accgcgccac      60
ggagaagtgg ggcctgggtc cccacaggac gaaagtgcct tcccatcagc ccctgcactg      120
ggcccatgag accctggcca ccctggttcg agccccaggt gcgcctcggg cccgctaggg      180
gtacccaag gcagacagaa ggcccatgag ggaaaggtga gacacctggg gcagagaaaa      240
aaatgaaaaa ctgcgcagcc cagaagtggg gcctgggtcc cccacggacg aaagtacctt      300
cccatcagcc cctgcactgg gcctcatgga ccctggccac cctggttcga gc                                           352

```

<210> 1027

<211> 393

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (393)

<223> n = A,T,C or G

<400> 1027

```

ggcacgagga gagagagaac tagtctcgag agcagtnnnt tttttttttt tttnnnnnnt      60
tgggggggca aacccttttt tggccccacc cctccttctt tgggggaaaa gggcttttgg      120
ccgtaaaaaa tttccccccc ggggtgaacc ccttggggaa ttggggccaa cacgtaaatt      180
gggggtccct tgtaaacccc tgttttttgg gccggaaatt ttttaaaagg gcccttaggg      240
gcaagggcct tccgggaaag gaagggggccc cgggattctt aattcccctg cccgcccccg      300
ttgtgggggg ttgcctcccc taagggggggc gggggggcca attcccaaaa aaggttttgg      360
ggccccgtgc ccacccaac ccgtttggtt ggg                                     393

```

<210> 1028

<211> 351

<212> DNA

<213> Homo sapien

<400> 1028

```

tacggctccg agaagacgac agaagggggt gctcagatca catctcctca tgataaagaa      60
attctaaaat gtatagaaga atgtgtggaa ccctggaatg gttcctggaa tgataattta      120
gtggatacca gcccgtgaa gagagaccct ctgcaggaca tttgcaggag atacatggaa      180
gatctgaaaa agatctgttt ttacagggag ttaaactcga agaccacctt gaaatttgtg      240
cacacatctt ttcattgggt cggacatgac tatgtgcagt tggcttttaa agtgtttggt      300
ttaagcctc caattccagt accagaacaa aaagatcctg atccagactt a                 351

```

<210> 1029

<211> 393

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (393)

<223> n = A,T,C or G

<400> 1029

```

cggcacgagg tcgtttcaag taccgcacag tgggtgccctg tgactttggc ctcagcactg      60
aggagatcct cgctgctgac gataaggagc tgaaccgggt gtgctcccta aagaagacct      120
gcatgtacag gtcagagcag gaggagctgc gggacaagcg ggcgtacagc cagaaggccc      180
agaactcatg gaaaaagcgg caggtcttca agtcactctg ccgagaagag gcagagacac      240
ctgcggaagc cacaggggaa ccacagagag atgaagccgg cccacagagg cagctgccag      300
cccttgatgg cagcttgatg gggccggaga gtccccagc acaggaagag gaagccccctg      360
atcacccac aagaagccag ccccagaag cgn                                     393

```

<210> 1030

<211> 379

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (379)

<223> n = A,T,C or G

<400> 1030

tacggctg	cgaagacgac	agaaggggaag	ctagataata	atatttgaggt	caattttgat	60
aaagatccaa	tggaaatg	cctccctatt	cgtagcccta	ttaaacgaga	ctttttatca	120
ggaattcaga	ttgaatttaa	gcagtcttct	caccagagaa	gtttaagggc	caggttgtag	180
tggcttcagg	ttgataatca	gttaccaggt	gcaatgttcc	ctgttgatt	tcacccgtt	240
gcccctccaa	aatctattgc	tttagattca	gagcccaagc	ctttcattga	tgtgagtgtc	300
atcacaagat	ttaatgagta	cagtaaagtc	ttacagttca	agtattttat	ggccctcatt	360
caggaaatgg	ccttaaaan					379

<210> 1031

<211> 385

<212> DNA

<213> Homo sapien

<400> 1031

ggcacgaggg	acatctcata	ttagaatggg	taacggaatt	tgggctgcac	ccgcgtcctg	60
tcctcgatct	cgtagatccg	cagctgcatg	ggcacgttaa	agctgtgcag	gatgtttccg	120
ccgaacacca	aagagtctac	aggggtgtag	acggcatgga	tccaaccagc	taacgtcaca	180
gagtcagcag	caaggccaag	agccttccag	tcaccccttg	aatccagggc	caatccagca	240
acaccggaag	ggatgaaaaa	tgtgtagccc	tgcttcagct	caattctttg	gcacgttcc	300
acacgggtctc	ccagaaagat	gtcactctgt	tttgctggac	agcaccactt	cttgtccggc	360
gccaaattgt	gcagcggtag	aggat				385

<210> 1032

<211> 397

<212> DNA

<213> Homo sapien

<400> 1032

ggcacgaggt	tccttcgct	ctgcctttgc	tgcactgggtg	ctctgcccc	cggagctcgt	60
gaagtgcggg	ctgcagacca	tgtatgagat	ggagacatca	gggaagatag	ccaagagcca	120
gaatacagtg	tggctgttca	tcaaaagtat	tcttaggaaa	gatggccctt	tggggttcta	180
ccatggactc	tcaagcactt	tacttcgaga	agtaccaggc	tatttcttct	tcctcggttg	240
ctatgaactg	agccgggtct	ttttgcatc	aggagatca	aaagatgaat	taagccctgt	300
acctttgatg	taagtggtag	agttggggga	tttgctcat	gcttgccgat	acccagtggg	360
ttgatcaatg	cagaattcag	ttcttccatg	tttgaan			397

<210> 1033

<211> 368

<212> DNA

<213> Homo sapien

<400> 1033

tacggctg	cgaagactac	agaaggggat	gaaagtatta	attgactgga	ttaatgatgt	60
gttggttgg	gaaagaatca	ttgtgaaaga	cctagctgaa	gatttgtag	atggacaagt	120
cctgcagaag	cttttcgaga	aactggagag	tgagaagcta	aatgtggctg	aggtcaccca	180
gtcagagatt	gtcacaagc	aaaaactgca	gactgtcctg	gagaagatca	atgaaaccct	240
gaaacttcct	cccaggagca	tcaagtggaa	tgtggattct	gttcatgcca	agagcctgg	300
ggccatctta	cacctgctcg	ttgctctgtc	tcagtatttc	cgcgcaccaa	ttcgactccc	360
agaccatg						368

<210> 1034
 <211> 624
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(624)
 <223> n = A,T,C or G

<400> 1034
 tacggctgcg agaagacgac agaaggggaat aaggctgggt gcggtggctc acgcctgtaa 60
 tcccagcact ttgggaggcc gagatgggtg gatcatgagg tcaggagatc gagaccatcc 120
 tggctaacac ggtgaaaccc cgtctctact aaaaaacaca aaaaattagc caggcgtgggt 180
 ggcaggcgcc tgtactccca gctactcggg aggctgaggc aggagaatgg catgaaccta 240
 ggaggcggag cttgcagtga gccgagatca cgccactgca ctccagcctg ggcgacagag 300
 cgagactctg tttcaaaaaa aaaaaaaaaa aaaaaaaaaa aagggggcct tttttccctg 360
 aacccccccc gtgaaaaaaa ccttggggggg tggggggcaac cccccctca gacggggggga 420
 aaaaaaggtt tttttttgag aatttggggg cgctttgttt ttttttgccc ctttaaaggg 480
 ggaaaaaaa gttaaccccc aaatgggttt tttttttttt tttaggtgcg gggggggggg 540
 gggggggggt nncncaaccc cccccacaa antntgttcc ctccaaccac cttcttatat 600
 aacacccccca cccccacccc gccc 624

<210> 1035
 <211> 471
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(471)
 <223> n = A,T,C or G

<400> 1035
 tttggccgaa gcggcctacg gctgcgagaa gacgacagaa gggctggctt atttctaatt 60
 tttggccagt ctgaataagg ctgctataaa cattcttgta caggattttg tgaattatgt 120
 ttatatcttct cttggattaa tacttaggag aattgctact aggatagggt tctgtttaac 180
 tttcaagaaa ctgtgcaaca gctttacact gtgaaatagt gattgtcctg actacaaacc 240
 tccatgggtgc tgagaccagg ttttgttcaa cgtgattttc ctggtgtcca gccacgggca 300
 gggcacatgc tagacattca gtgtttattg aagaaatgaa tgaatagaag ttcaaatacag 360
 ttttcattct gacatctcta ctactaactg agaaaaaatg aatgctctgt ccattcagga 420
 gatggaaatt tattgggcta atgtgngctg attatangca ggcaaaaaca a 471

<210> 1036
 <211> 472
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(472)

<223> n = A,T,C or G

<400> 1036

tttggccgaa gcggcctacg gctgcgagaa gacgacagaa ggggaacattc tgatttttag	60
gtacattctt atcagtttta atgctcctga agggccattt ttcctggagg ctggaggacc	120
tgaaattttt ctttccatca caaactttac tgagctcatc caacaggaaa gaccaatcaa	180
cagctggcat gagatggagg gcagccttct tgaaaagctc caaagataat tagtcaaccg	240
ttagtgtttt tctgcaatta tcaaactttc atggtccttg attctagatg gtacattnta	300
aaggtagatt cctgtaaaga ttagcttaac tgaaaaggaa gataanaatg atcatactct	360
aaaccatta gtctttcagt ctctcacttt anacatcagt ctcttggnnt ctttgcagnn	420
ggtactnntg ttctaagttt ttatgtttta ccctggctgg gaatttaaat tn	472

<210> 1037

<211> 602

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(602)

<223> n = A,T,C or G

<400> 1037

tacggctgcg agaagacgac agaagggacc ccatctctac aaaaaataca aaattagcca	60
gatgtggtgg tgcaggtgct tggaggctgc ttggggaggct gaggtgggag gatgacctgg	120
gcctgagagg tggagtttgc agtgagtcga gattgcacca ctgcactcca gcctgggtga	180
cagagtggagg ccctgtcga naaaaaaaaa aaaaaaaaaa aaaaccgggg ggggggcctt	240
tttttcggaa accccaactt gtaaaaaacc tttggggggt tggggcccacc ccccttttaa	300
agggggggaa aaaagggttt tttttgaaa attggggggg tttttttttt ttttgaaacc	360
ttttaaggcg ggaaaaaaaa agtaaacccc ccactttggt tttttttttt ttttcgggtc	420
cggggggggg gggggggggt tttnnnnnnncn cncannaat aatntatttc ctaacacttt	480
ttttttataa taactctttt cccccccctc cctttttttt atggggcccc gtgttggtgt	540
ttgcnaaacc acgaggggaa acaccccccg gcgcggtgtg ggtttggtgt aatgtcccc	600
cc	602

<210> 1038

<211> 451

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(451)

<223> n = A,T,C or G

<400> 1038

tacggctgcg agaagacgac agaagggggg aagcaggtgt catcactctc atcaggagtc	60
atccaggaag ccttagccac aaatatgaaa ttgaagcagg acattgctcg gcaaaagagc	120
agcttgaggc ccacccgtga gatggtgacc cgattcatgg agacagcaga cagtactaca	180
gcagcagtgc tgcagggcaa actggcagag gtgagccagc ggttcgaaca gctctgtcta	240

```

cagcagcaag aaaaggagag ctccctaaag aagcttctac cccaggcaga gatgtttgaa 300
cacctctctg gtaagctgca gcagttcatg gaaaacaaaa gtcggatgct ggcctctgga 360
aatcagccag atcaagatat tacacatttc ttccaacaga tccaggagct caatntggga 420
atggagacca acaggagaac ctagatactc t 451

```

<210> 1039

<211> 432

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(432)

<223> n = A,T,C or G

<400> 1039

```

tacggctgcg agaagacgac agaaggggaat taagtcttct ttgaccataa ggagtcaatg 60
attatcaaaa actgatagaa aaaaaaaagg aatcattata gaagcattgt atttggaat 120
atagtaaaaa gtacgagaaa aaaatagcaa aaagagttaa aacactgtat atgaaaccaa 180
actaggggtg aaggttgcta cgtgagagga aagaaacaga aggggaatat tcttttcttt 240
ataagcctta cagtatttaa aaattaaggc caggcggtgg ggctcacacc tgtaatccca 300
gcactttgag aggccgaggc ggggtggatc cctgaagtca ggagttcgag accagcctgc 360
caacatggtg aaaccccatc ttactaaaaa cacaaaataa tctgacatgg tgcacacact 420
taattccagt an 432

```

<210> 1040

<211> 430

<212> DNA

<213> Homo sapien

<400> 1040

```

gtctttttggc cgaagcggcc tacggctgcg agaagacgac agaagggcat gagccacggt 60
gcctgggttct cactgcccc gccccccttt ttgttaactt cccattgtct gcaagaaaaa 120
ataagtttga tcattcaggg ttcttgatac atctgtctct gcttccctct ccagcagaat 180
ctttactttt caacagaatt tctgagttct ggctatatga aactattaaa tactctcata 240
ttcagttactt ttaatttcac atgaaatctg cctgggtttg ttctgttggc agactttcag 300
actgtgcac tcctttttttt tccttcacgt aggccatccc tcaggagact gcgcattctt 360
ttaaagattt aacgggggga attcctcagg gagtttttct tacctcaggg cacatgtatt 420
caaacacctg 430

```

<210> 1041

<211> 428

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(428)

<223> n = A,T,C or G

<400> 1041

```

atcgattcga attcggcacg agacacttat gtgatcacca aaggatttac tagtatcttg      60
gtcattccaa ttgcacaatg ttaactgtac aacacacagc agaaaagtga atagacttca      120
ctaagggatt ctaagtttag aaaatagggt ttgttttctt aaaaaatttt gtgtataata      180
caaactaatg aaaactatac atattctcca attcctatag taataataat gtaactgtta      240
caccaacttt cctcatattt gagagatgag tacatgttgg attgcagcat ttcttcatgt      300
taaaaacatg gaatattatt caaatatagt acttgngggc taaacaacta aaattagtca      360
ccgcataact agttgaaaat ggcataggca taaaatgtta ataaagaatg gcagtatatt      420
tatgctcn                                     428

```

```

<210> 1042
<211> 445
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

```

```

<400> 1042
tacggctgcg agaagacgac agaaggggca atttaciaag taataagtga aatgctcccc      60
atagttgact ataacatttc ctcatttttc totgaatttg ctttttaaaa aactcttccc      120
cttgccattc ctttccccat tccagattgt aactgcttct ttccagctgc atcagaagaa      180
ggggactttc catgtaggtg ttattctcag aaaaggccag aaaagaccag gtcatggtgg      240
ggatgatttg ctccaagcat aaaagagaat tgtgatggtt caggaagact ggaaaataac      300
gagactggaa agaaatgaga agggcttcag aggaatggca cattgaaata aaaggaagtg      360
gaagaacagg aaaacaagtg gaatgaaagg agcacacagt gggcagggat gaatggatag      420
actgtggaat aaagataaat tggan                                     445

```

```

<210> 1043
<211> 436
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

```

```

<400> 1043
tacggctgcg agaagacgac agaagggggt ttgtcttcag gtaacactac atttctttca      60
gtcttctgag acatttcatg gtttcactta tccaggtggt gctaacttta catagcagtt      120
tatatgcctt gtctattctt cttaactaag ataacctggt gaagtattat taaattcaac      180
tatattataa aattattaaa ctgtaggcgg gatgtgtttt cttcctttct cacgtagctt      240
cccttccact ctggaaatgg aaggtttgac atcccatcat ttgataggtc tgatgacttt      300
ccagtatttt aagcagtaat attgagacta tggcttcttg gtccttctat ccttaagttt      360
tgcataatga ntngcataat atactagcta actttattca ttntactctt tgcannagaca      420
tgctagatgt gaaccn                                     436

```

```

<210> 1044
<211> 426

```

<212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(426)
 <223> n = A,T,C or G

<400> 1044

tacggctgcg	agaagacgac	agaaggggtat	ctgctgtaat	atTTTTatct	gaggtaggga	60
taaaaacatc	ccatttctgg	actttacttg	gagaaccagc	tagaggtgaa	tatacgaccc	120
ttcatgacct	ggactgaaaa	cattttcaag	ttctctatTT	cggTcaatac	agccccTTta	180
ataattcccc	aaagcatctc	ccctttccac	ctgtgctacg	actctcttgc	acacgTTTTg	240
tattcccaaca	gatcacaaaa	tcacaaagca	ccggagctgg	aagaatctta	agagataatc	300
caaggccagg	agcggTggct	cacgcctgta	atcccaccac	tttgggaggc	caaggcgggt	360
gggattacct	gaggtcagga	gttcaagacc	agcctggcca	acatggTgaa	aaccgcTctc	420
tactan						426

<210> 1045
 <211> 447
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n = A,T,C or G

<400> 1045

tacggctgcg	agaagacgac	agaagggcca	gaccatggct	gcctagacgg	ctgtgaactc	60
ctgagaagcc	tttccagcat	caccttctcc	tcttccaaga	agccttcttt	tccgtgccac	120
acaaaagaga	ctatggTggT	cgggcgtggT	gtctcatgcc	tgtaatcccc	gcactgtggg	180
aggccaaggc	aggcagatca	cctgaggTca	ggagTtcgag	accagcctgg	ccaatatggT	240
gaaaccctat	ctctactaaa	aatacacaga	attaaccagg	cttggTggcc	cgtgcctgta	300
atcccagcta	ctcaggattc	tgaggcagga	gaattgcttg	aaccangag	gcagaggTtg	360
cagtgaacca	agatggcacc	actgcacttc	agcccgggcg	acagaatgag	actctatctc	420
anaaatacat	acatacatat	atacatc				447

<210> 1046
 <211> 444
 <212> DNA
 <213> Homo sapien

<400> 1046

tacggctgcg	agaagacgac	agaagggcat	ggtgacaccg	tgtctctact	aaaaatacaa	60
aaataagctg	ggcatggTgg	tgcgtgcctg	tagtcccac	tactcgggag	gctgaagcag	120
gagaatcact	tgaacctggg	aggcaaaggT	tgcagtga	tgagatcgcg	ccactgcact	180
ccagcctggc	aacagagcga	gacaagactc	catctcaaaa	aaaaagtga	tgcccgatga	240
tgccagattc	ttcatcacct	gaagtgaacc	cacacaacag	gggctgggcc	atgggcac	300
taaaccccat	tttgcaagct	caggaggagc	tttaaggaaa	tcagaagaac	tgccagctct	360
ctaccaagtg	gtgattttaga	agccgcac	cttcgtccaa	atctacactc	tgccacatt	420

ccatggaacc tccattcctg aggg

444

<210> 1047

<211> 447

<212> DNA

<213> Homo sapien

<400> 1047

tacggctg	cg	agaagacg	ac	agaagggaca	gtaccagg	ca	aaaaccattt	gtaaaaatta	60
ccaaagtca	a	aatacagaaa	ccg	ttagact	attatgccaa	t	aaatatacag	ggaacctgcc	120
ccgatagtca	g	gtaggttct	ttt	ctat	ttt	ccctaag	tgt	cagctgg	180
gggtgaaagt	a	caaaaagaga	g	aaat	ttta	agctgg	gc	ccaggggaga	240
cagtaggttc	c	atgatgccc	cccc	aagccg	caagaccagc	a	ag	ttttat	300
caaaagagga	g	gggagtgtac	gaataggctg	gggg	tcataa	agatcacg	ta	cttcacaagg	360
taatagaata	t	cacaaggca	aatggaggca	ggg	caagatc	acaggaccac	agg	acccagg	420
gcaaattaa	a	aatgcgta	at	gaggtt					447

<210> 1048

<211> 430

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(430)

<223> n = A,T,C or G

<400> 1048

tacggctg	cg	agaagacg	ac	agaagggaca	gatgggg	tga	acttctataa	catcttaact	60
aaaagcactc	ccacgtctac	aatggagtcg	ag	tctagaat	tcacacagag	ccac	cctagtt		120
tgtctttgtc	agcgccacgt	gagacgccta	caac	gagatg	ccttaagcca	gctc	atgaat		180
ggcccatca	gaaagaagct	caaaattatt	cctg	aggatc	aatcctgggg	aggcc	aggct		240
accaacgtct	ttgtgaacat	ggaggaggac	ttcat	gaagc	cagtcattag	catt	gtggac		300
gagttgctgg	aggcggngat	caacgtgacg	gtgtataatg	gacagctgga	tctc	atcgta			360
gataccatgg	gtcangaggg	ctgggtgccg	gaactgaagt	ggncagaact	ggccta	aatc			420
agtcagctga									430

<210> 1049

<211> 387

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(387)

<223> n = A,T,C or G

<400> 1049

tacggctg	cg	agaagacg	ac	agaaggggtg	tggatctcgg	tgtgtgtgta	actgtgtgag	60
tctgggtgtgt	gtctgtatgt	aggtgtgtga	gtctgag	tgt	gtatgtgtgg	tgtgcccgtg		120
tgtatgtgtt	aactgtgtga	atttctggct	agcgaatgtg	tatctgtgtg	tgggg	gtgtg		180

```

gtatatgtgg tgtccttgta tgtgtangtg tgtgggtgtgt gtgtgtgtgt gtgtgtgtgt 240
gtgaaagaga gtgagtgaga gaatgggaat ggcacccact tctgtgagcc caagtatcct 300
tgtttcgttc cttgagtgcg gccaccttgt ctctttgggt ggagtttctg ggggtgctgg 360
ttagctccaa ttgggtggct ttgggcn 387

```

```

<210> 1050
<211> 384
<212> DNA
<213> Homo sapien

```

```

<400> 1050
tacggctgcg agaagacgac agaagggcct attaaaataa atttactttt ttgggtgtaga 60
tagggaaaag tattaataaaa gtatgataaa ctctcaaacct ctctctctgt ttctccccct 120
tttccccacc cccaattatt tttttaccct cttaaaggga gtttttcaac ttgagaaatt 180
ttgtgataca ttatttgaat aattttcttca ctcaaatacc ttgaaatac ttatcatttc 240
tttcatttga caataatcat ttcttgcttt aaaaacaaaa ataatggct aagattaaat 300
tgtgaagatc tcttagaaac agaatttctc tgtatgaaac agaattacat attcagcata 360
taataaagaa atataaaaaca aaag 384

```

```

<210> 1051
<211> 381
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

```

```

<400> 1051
tacggctgcg agaagacgac agaaggggag ggaggttgaa atttgggtgtg cgttaaagga 60
aatataaaaa tcctgcttaa tgatcctgtt aggtttgtat acagattaac tgttattaca 120
caagaaatgg tatgtccgtt tggaatttct catcctctga atagtcagct ttagcactat 180
aaactgggaa gaattctgtt gtatctctga atatataata ttgcattact gcgagccccg 240
cggccctttt cccaaacaac atatgcctgc atgtgcctca gttttatgtg agtcaaacca 300
atcttaggcc tagcatatgg gagtttatta gtatgtgtat gttcctatgt tgtttaagag 360
agattntagg gtctggagaa c 381

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<210> 1052
<211> 384
<212> DNA
<213> Homo sapien

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<400> 1052
tacggctgcg agaagacgac agaaggggga atttaggtag aatcaaggct cataaccttt 60
atgaaaatac cctaagcagg gaaccttcaa tttattttga agtgtttgag ttttactaaa 120
agcccatcat tgccagtgtg gttttttaaa atggacagcc atagtggcta aggagaccag 180
taagacctgg agttggcagc agagtgagcc ttctgaggaa aaaaggaaga ggaatattgg 240
tgtgggaaag aggtgcagct gtgccactgg atccctgtcc cttcattatt ctttactggc 300
cctggcagct gtcaaagttt gcttaatata gctgtgggct ggagattgtt tcttaatccc 360
tgtataggag taccaagctc cagc 384

```


<210> 1053
 <211> 380
 <212> DNA
 <213> Homo sapien

<400> 1053
 tacggctgcg agaagacgac agaaggggta aatacatttt tcttttttat gtaattaatt 60
 aaatcagggga tatagatttg atctgtaatt tgggtataat tctaattctt gctgaaatca 120
 catctcaagt ataatgaggc aactttatgc aaatgtactt gttgtgacaa caataacatt 180
 ttccctttttt tttttttttt aaaaaaagt tttttttgcc cccagggggg gggggcgggg 240
 gggaaatttg gttaaattaa acccttgccc tccgggttaa aagaaattaa acgccctaac 300
 tttctggagg ggggggttaa cccccctcc cccactaatt tttgtttttt taagaaaacc 360
 cgggtctccc cttatgggcg 380

<210> 1054
 <211> 395
 <212> DNA
 <213> Homo sapien

<400> 1054
 tacggctgcg agaagacgac agaagggcat tatatgccc cgtataaagt ctcttgtttt 60
 aagtctgatg gtactatgtt aaatcatgac aatttgacgt gtttgggaat gggcggcctc 120
 ggatagctgg cccttttagc ataaatcttt ctgcatttgt atgtttatgt cacacatttt 180
 gtgtaacagt cattctacag tgtggtaggt acatgctgcc ctaactcatt tttttaaatc 240
 gtgataaaat tcacataaca cagaattaac catattaaag tgtacaatta agtggcattc 300
 aatatgttca tgatgttgca caatcatcac ctgtatctag ttccaaaaca tattcatcac 360
 ccccaaagga aaccctctat ccattagcca gacat 395

<210> 1055
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 1055
 tacggctgcg agaagacgac agaaggggtat attaattctaa tctatcttag aacaagttaa 60
 atagtatatg tacttgtaat aacttggtgcc tagatatgtt agttttgtct attaattttt 120
 ctgttaaaaa gaatatgcat tgaaatgaga tggaaaacaa aatgaaaagt gtttaaaaaa 180
 ttaaataattt tagaaggatc aatatcctaa gggttgtggg taattttttc ctactttcta 240
 aaacttcaga ttccctttcac tcacttaagg ttgtactacc attaatgcaa tgtttttctgg 300
 gagtgaaga tttgcaaag aattaataac agctagaagc ctcactattt gcacttttat 360
 aacattcttt gctgttatca ttac 384

<210> 1056
 <211> 412
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(412)

<223> n = A,T,C or G

<400> 1056

tacggctg	cg	agaagacgac	agaagggcat	ctggcctt	gt	aggtgccggg	aacgggcaag	60
acatgttt	tg	aaatgtaaga	tcacagactg	ttttttgcaa	gaccacatta	tattacttta		120
ttattttc	tg	ctttttcttt	taacgacatt	agtgtttttg	atcactatat	tttaaaatgc		180
ttttgtgag	ccttttggtt	atgtggaatc	tgttccttag	ctctgatttt	ttattcttat			240
ggagcgtctt	aggttactac	atgaaggtaa	gactgccaca	gtcccccagg	gaggcacact			300
gtgttttact	gattgatttg	aagatgatag	agagcctacg	gggatgagtc	tattggactc			360
aaagggtaca	ttttggtttt	ccatttaatt	taataatcaa	cacaacgaca	an			412

<210> 1057

<211> 395

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(395)

<223> n = A,T,C or G

<400> 1057

tacggctg	cg	agaagacgac	agaagggggt	ggcgcaatct	cggtcgctg	caagctccgc	60
ctccccgg	gtt	cacgccattc	tcctgcttca	gcctcccgag	tagctgggac	tacagggcgc	120
cgccactat	g	cctggcta	at	tcttttgat	ttttaataga	gacagggttt	180
gccaggat	gg	tctcgatctc	ctgacctcct	gatccgccc	g	cctcggcctc	240
tggaataa	ca	gncgngannn	ancactcncn	nncaggcttn	tgtatatattt	tntatatnnc	300
caaaattttt		aattatacta	caaactgana	acaaacacaa	ccattcatct	ctaattaata	360
tactgggtt	at	ccccaaaac	tacacgcccc	ggccg			395

<210> 1058

<211> 406

<212> DNA

<213> Homo sapien

<400> 1058

cgattcgaat	tcggcacgag	acacttatgt	gatcaccaaa	ggatttacta	gtatcttggt	60
cattccaatt	gcacaatggt	aactgtacaa	cacacagcag	aaaagtgaat	agacttcact	120
aagggtattct	aagtttagaa	aatagggtttt	gttttcttaa	aaaattttgt	gtataataca	180
aactaatgaa	aactatacat	attctccaat	tcctatagta	ataataatgt	aactgttaca	240
ccaacttttc	tcatatttga	gagatgagta	catgttggat	tgcagcattt	cttcatgtta	300
aaaacatgga	atattattca	aatatagtac	ttggggccta	aacaactaaa	attagtcacc	360
gcataactag	ttgaaaatgg	cgtaggcata	aaatgttaat	aaagag		406

<210> 1059

<211> 382

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(382)

<223> n = A,T,C or G

<400> 1059

tacggctgcg	agaagacgac	agaaggggtga	catttttggtg	tctttcatct	gaccatccat	60
atccaatggt	ctcatttaaa	cattaccag	catcattggt	tataatcaga	aactctggtc	120
cttctgtctg	gtggcactta	gagtcctttg	tgccataatg	gccaggnatg	gannnnnnnn	180
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	360
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	382

<210> 1060

<211> 380

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(380)

<223> n = A,T,C or G

<400> 1060

tacggctgcg	agaagacgac	agaaggggata	gagactttga	tttaataaaa	gatgaatcaa	60
cagtaacatg	aagcaaagtt	gtctggctta	gatgtatagc	ttctttcatg	ggctctccat	120
aaaaaggttg	gttcccaaca	aatcttttat	ttagttggca	agtcattgtg	ccatttccag	180
tcttctagga	ggaagaacct	catgggtgtc	gtcaaccatg	tagtcattag	ggtaggttcc	240
tcagagtcac	tggttctcta	aaacttggtc	ctatgtgtgt	cattccccaa	ctttactatt	300
ggtagttgtc	aaattaagag	agtattaggt	acgaataact	gtgtttgtgt	gtaagagaca	360
gggtcttgct	ctaacacctn					380

<210> 1061

<211> 383

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(383)

<223> n = A,T,C or G

<400> 1061

tacggctgcg	agaagacgac	agaagggggga	gggagcagcg	tgctcagtgg	ccagagactt	60
cacctgagtt	ccagaaaatc	agatttcagg	gctattggcg	cattatcgta	gccacaaaac	120
ggtgggggttc	atgttacctc	ttttgtccag	tggtttgtgt	gttcccttct	cactgaattg	180
gatttgacat	tcaatttgaa	ttgacagtga	acttcggggg	aattcctttc	agaaacctga	240
atcatttttag	gatctgggaa	gcattactct	gtggcagggg	ctcttaacca	aaaagcccat	300
cgctagaatt	ctaggggtctc	tgaatttgga	tgggagggaaa	aacaaaacan	aacaaaacaa	360
aaccctttat	tttactgtg	ccc				383

<210> 1062

<211> 380
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

<400> 1062
 tacggctgcg agaagacgac agaagggggg attattatct ctttgcctaa tgtccagtgt 60
 ctgaaaaatt gtttactgta ttttgtgtgt tttgatgcta gttatttttag ctatgaagaa 120
 aaatcatacc tggttgcctc ccttggttag aggcagacta cactagagtt tcagcacatg 180
 ccacagactg gctaaaatgc tttccttccc tgtttgcctc actgcttctt tttcattctt 240
 cattcctcag tgtagctata cgttcctcgg ggggaattttc catgagccta gtatagatct 300
 aattccttagc aatctgtttt cttacagtat ctatctgaat ttataactgt cacttttctg 360
 gggcttcgtc ttttagtacn 380

<210> 1063
 <211> 399
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 1063
 tacggctgcg agaagacgac agaagggggg cttgttacta aagtaaatca ctccatacaag 60
 ttatatagtt tattgtttca tggaaacaca aagaaccatt ccaaaatatg atttagcaac 120
 ctcaatatta ggacaattac aggggataaa tagtcacata aggtgactgg actcaatggt 180
 aaccacgggt ccttggttct tgagggtcac cactcaaagg caaaattaca aacctacaca 240
 gtgccatccc agaattttat taacatatat tttcatgaaa gcaagctctc gtttttaggc 300
 atcttagcaa tggtagcaca ctagtgtctt acacctgatc atgataaacg caagnttaat 360
 tttccctact ttatatctgg aaatccaatt cccttaaan 399

<210> 1064
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 1064
 atcccatcga ttcgaattcg gcacgaggct gcctgggaga ggcaggggtac cacagaggag 60
 ctggcatccc gagaaaggat gccaccacca gctggtccct tccagagctc tgtctgaact 120
 ccaccagcct tgcttctggc ctcatcctgc agaccaggg gacacctcca cttgcaagtt 180
 cagtccatgg gactgcaca ctctctcggc cccaagtga accccttttc ctcacccaac 240
 atcctccatt tcaacaaatg gcagcgttgt gggtaaaata acacctcctt cagagacatt 300
 gacatcctca tccctgactt cggctgcagc tcagtgggtg aatctcagct cattgcaact 360
 tccacctccc aggatgaagc aatcctccca cctcag 396

<210> 1065
 <211> 405
 <212> DNA
 <213> Homo sapien

<400> 1065
 ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
 gagagagaga gagagagaga gagagagaga gagagagagc gcggggggtgt gtctctgtgt 180
 ttgtgtgtct ctgcgcgcgt atttgtgttt tctctctctc actctctctt ttgcgcgcgc 240
 gcccccccc ccttctctct ctctttctct ctctgggtgc gcgcgagagg gggcgcgcctt 300
 ttgatatcca cttttttttt atatagacac actctctttt atacactctc tctcacacac 360
 aagagcgctc tctttttttt ctctctctgt gagtgtctca cactt 405

<210> 1066
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 1066
 atcccatcga ttcgaattcg gcacgaggtt gcctaatagc atgtcagaat cctctcctgg 60
 atggtgattt tataggaaag tttgtatgca tatcaccag tctatctttt aaaaattaag 120
 aaatttaaat gtatgctgga agtaatgaca ctatattgtg gcattttatt ttaaaaattg 180
 gggaaagggtg catatttttt taaaaagaag tgggtgagta aaaaaattga agggactttt 240
 ttaagggaaa aaatttatat gccaacagtt acataagact ttcaagattc acaacgactc 300
 ttggaatata agggttcttt taattggggc aaaagcgcag gatagcattc ttttctctta 360
 agttcctgtg gttggcatag cgggctttaa ataattttaa tg 402

<210> 1067
 <211> 395
 <212> DNA
 <213> Homo sapien

<400> 1067
 cggcctacgg ctgcgagaag acgacagaag gggcccctcc acttaggagt ttttcagaag 60
 atttatctca aaatacagtg aaacgatgac atattattca ccaccttggg gattccaaga 120
 cacacgatga ggtatcggca ttgcaaagga aggatttgcc tgggtttctg gtggtccaaa 180
 tctgaggttt gtttcagaca ttctcatctt ccaggcctct catctcacca tgttttggtg 240
 ctgtcactaa tgaggaggtc actttgggca agacagcttt cctgtgcct cactgacttc 300
 cctgatcaga tgaagataag gattgtgtgc ctacacagaa ctgtgtgagg atgacataag 360
 gtcacataga tggagcactc tgaagactta caact 395

<210> 1068
 <211> 404
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

<400> 1068

tacggctgcg	agaagacgac	agaaggggaag	gactgaggtg	acaatcaggg	aaggcgtcct	60
gatgatggta	agaaggggtga	gggtgatgac	gacagacacc	gccacttact	ataaggcgtg	120
tcatgtagca	gacagtgggg	gtggctatga	tgactatccc	tgctttccag	acaaggagaa	180
tgaggcacag	agtggctcag	tgacttactc	caggtcatag	agtgagtaga	tagaggagcc	240
cggttcanac	ctggcagagt	ctgcaaaact	ctttgttctg	cttccttgtg	atggcaaaga	300
gtgcgagaca	gaggggagaac	ccttcttaag	acttgtgaaa	tgggggctgg	cctcatgtac	360
atgggngtcc	tggtaaaagc	tggggctggg	ctgaaagccc	ttcn		404

<210> 1069

<211> 386

<212> DNA

<213> Homo sapien

<400> 1069

gcctacggct	gcgagaagac	gacagaaggg	actaaacaca	aagataaaga	cttttgttct	60
ccccacaaa	tgataaatta	gtgtttttac	aatggaggc	aatgatgttt	agccatttac	120
ttggatacat	aaattgtact	atgtccacat	tgagtttttt	ccctgtcact	attctatttt	180
acaaattgat	ggagacatat	cttgggttaa	gaaatttctt	tcacacacac	acaatggttt	240
ctttagctac	aaatctgttt	tttgccaatc	atctgagaag	gccttttgtt	cacatatggg	300
gaaggtaatc	tcatgtttgt	ggagtatctt	catgggtatt	accaccacta	tttacctgaa	360
gtcttcaagt	ggccttaaga	agccgc				386

<210> 1070

<211> 384

<212> DNA

<213> Homo sapien

<400> 1070

ggcacgaggg	cacatgcctg	taatttagtc	actccggagg	ctgaggcagg	agaatcgctt	60
gaaccagga	ggcggagggt	gtggtgagcc	aagatcctgc	cattgcactc	tagcctgggc	120
aacaaggggtg	aaactctctc	aaaaaaaaaa	aaggaaaagg	aaaagggtcaa	accctgttaa	180
aaaacaaacc	tctttctttc	aattaaaaaa	atgggccaaa	cgggggccct	tccaattttt	240
tggatcccta	tataaaagtt	aattcccata	aaaaaattcc	atttaagctt	tttaaaaacc	300
ttattttatt	ttagagattt	ttttatttca	atccttataa	tttaaattaa	ccatgggcaa	360
aaagttaaaa	tccatttaaa	aatg				384

<210> 1071

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 1071

ggcacgagag	aggccgagtc	aagaggggtgc	catctcccaa	gttcccatga	ttcctgggga	60
gcgtctgtgt	agctgcccac	ctggaccgag	gtggtcccca	cactgaggcc	aattggttgg	120

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gagtcggggg ttgacctggg caggggacac atcaaaactg ctcgaggcca agcgcggtgg 180
ctcacgccta taatcccagc actttgggag gccaaggcag gtggatcacc tgaggtcaga 240
agtttgagac cagcctggcc aacttgggga acccttgtct ctacaaaaaa tacaaaaatg 300
gttgggcggtg gtggctcaca cctgtaatcc cagcaccttg ggaggccaag gcaggtggat 360
cacgaggtca ggagttcaag n 381

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<210> 1072

<211> 386

<212> DNA

<213> Homo sapien

<400> 1072

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tacggctgcg agaagacgac agaagggagc atcctaccct gaaacaggcc tcatctctgg 60
acagtagcta tgagatgaca cattttctca ttgtacaagc aatttgatgt ggaaatcttt 120
gttacttgaa acaggcattt taacatataa aatgtgattc cactgacca ctggcatccc 180
cagattcttt ggtttaccta aaagtatata taagaaaagt gtatgcctga tatctcgttg 240
actccattac aaagaaacat taaaaaaaaa aaagaccttg atatgtggac tcaattatgg 300
gccaaaatgc ttgtaataac aaatgcactt ttattaaaag aacaataaac cgggcgcggg 360
ggctcacacc tgtaatccca gcactt 386

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<210> 1073

<211> 383

<212> DNA

<213> Homo sapien

<400> 1073

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tacggctgcg agaagacgac agaagggagc ggggaggctt atcatttttag gccatgaagt 60
tctgacatgg tttgttatgc aggaatagac aactaatcta caccacatac aaattataat 120
gttccttttt ttttgggttc tattatgggg ttttataata tcacaatatg tccttgaatt 180
cttaattcca cattttttaa aaacaatatg ataatacact ttgaggaggt accatagttc 240
atttaaacia tcccttgta atgaacaatt ggattatttc caataatttg gtcctggatt 300
ttgaggatcc agatcccaat ctacttgact gtccctggatt tgccaggcct tagggaagtt 360
caaagatgaa ggtagggagg gaa 383

```

<210> 1074

<211> 381

<212> DNA

<213> Homo sapien

<400> 1074

```

tacggctgcg agaagacgac agaagggaca tgtgtgttaa ctttctcatt taacataatt 60
acatttcact gagaccttct ggaaccaaca agaaaacctt aatatggaac tgcaatgatg 120
ggaatttggg gcattgaaag aagtgggtt ggcaacattg cttgggtgat ttccttgcta 180
acattgtact gtaaggtgtg agggcctttg cattagactc tgactgggct ctgtaaacct 240
gagcctcatt cttagaacct cttgagcccc ttgatgttgc ccagtcaagt ccatagtgac 300
tgtaggggct gaacttcaag ggccactttt gcttatagcc atcacctgag agcacctcca 360
gaatcaaag ggcttgggaa g 381

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<210> 1075

<211> 380

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(380)

<223> n = A,T,C or G

<400> 1075

tacggctgct	agaagacgac	agaaggggatg	gcttggtgac	cgacagtttc	tgaccatgtt	60
tcactgctac	aaagaggggtt	atgctgcatt	aatctgtcct	catgggtgac	ggacaggatt	120
tcacccacc	acaacctatt	gaagccccac	ttctctgact	tcagagctgt	ccagggcca	180
ggctatgagg	cagctgtcga	gaggtccac	gtacaggttg	ggagcacctt	ttctcaagaa	240
acttacagga	cagctcctgg	aactgaggcc	tacatgacaa	tggagaattc	aggctttgtt	300
tcacttccta	aaaaagaagt	ccagttagat	ttatgagtat	gtccatgaac	atgcagaaat	360
ataactaatt	tctgaaagtn					380

<210> 1076

<211> 407

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(407)

<223> n = A,T,C or G

<400> 1076

tacggctgctg	agaagacgac	agaaggggga	aatgcattgt	ctaggttcct	ctagacctct	60
aggttcctct	ctattctcag	aagaaactta	agttatgctt	gagtataact	tgagttagggg	120
ccaggtaggg	gcagcattgt	gggattcagc	cacaatggtg	tgattcaatc	tgccctctgg	180
tctttgggtc	catttaacgt	gcatttattg	agcagctaac	ttgagtcagc	actgtactag	240
gtgctatata	ccagggatgt	acaaaacaga	tttgatgttg	ctgattaaga	aagtatctgt	300
acaagttaca	aactcacctc	ccagagcact	tgcccttgag	ccctggagct	tgccccagtc	360
ttcctccttt	ctaagatcna	ccacttacct	actgggaaga	gatttgg		407

<210> 1077

<211> 386

<212> DNA

<213> Homo sapien

<400> 1077

tacggctgctg	agaagacgac	agaaggggca	ttcctgttag	aatagataga	gcacgtccaa	60
gggcttgagg	atgtggagca	gttggaaaca	ctgtggttg	aaattgtgaa	ttggaggctg	120
tctggagaca	ggctgggtgag	ggcctgccca	caattccatg	aactgggcca	aatctgggtc	180
ttaccctgag	gttcaggaaa	ctaactgcag	ggtttaggtg	ggagattgta	gaaaagtgg	240
gaacacccta	atttaaaaag	tgggcacgag	atttgaacag	acacttccaa	aaaaagatgt	300
aggtgataaa	cacgaaaagg	tgctcaacac	ctctagttag	ggaaatcagt	gcagatgaag	360
tcacaatgag	atagtgcac	aaacct				386

<210> 1078

<211> 392

<212> DNA

<213> Homo sapien

<400> 1078

tacggctg	cgaaga	acgac	agaagg	gaca	agatttg	gtgaatt	ggtata	ggaggt	caag	60
aggaagga	agaa	atccgg	gac	aggaat	cata	gcattg	gtgt	cacaaaaa	aacatt	120
taccaa	atga	aataaa	aattc	agaatg	agga	gtccat	gtca	gggaaac	atg	180
gtttgg	acat	ttggga	tatg	caa	atggg	aa	tgcag	aggag	gcagct	240
gagccc	agag	gaggtg	gtct	gcgctg	gaga	ttcag	at	ttt	tagac	300
ttggtg	cact	gggaata	acg	cctggt	gcg	gtagt	gtga	gggccac	cct	360
cagttg	gaag	gtagt	gtgtg	ttggtt	gtaa	aa				392

<210> 1079

<211> 410

<212> DNA

<213> Homo sapien

<400> 1079

gattcga	aatt	cggcac	gagg	gtgaac	atga	cgtctg	ctatt	tctggg	tcag	cg	60
gtgaag	acgc	ggaacg	gggc	gctggg	agt	gcgg	tggcg	ggcg	gtcga	tggc	120
gacgag	atga	tccgtc	ggag	cccc	cgccc	aagg	gcgact	tctcc	agccg	ggccc	180
gtgatt	tctc	acattg	gctt	gctgag	agat	tatatt	ctgg	aacgc	caggaa	agatt	240
aatgct	tata	gccata	ccat	gtctga	atat	gggag	gggtga	gagaca	caga	acgag	300
atagac	cagg	atgcc	cagat	attcat	gagg	acctg	ttcag	aagca	attca	gctac	360
acaga	agctc	acaagg	gagat	acattc	ccag	caagt	gaagg	agcac	aggac		410

<210> 1080

<211> 382

<212> DNA

<213> Homo sapien

<400> 1080

tacggctg	cgaaga	acgac	agaagg	gaac	tagttg	ggggc	atcttt	ttttt	tgaat	gaagc	60
cttcagc	cctt	ctttag	ggga	atcttg	cttc	ctgac	agagg	gaccg	gtgga	aagttt	120
cttaag	caag	aaagatt	ttaa	gtacatt	ctg	caactt	ttggc	cttgta	agct	gtgat	180
ttaagg	ttga	cgagca	tagt	tcacta	tga	atgaag	caag	taactt	ggca	tttata	240
gtgagt	caat	tttgac	atca	gcctg	gaatt	ggaatt	gacc	tgaagg	ggtt	ggtggt	300
tgtggc	taca	cttca	agggc	tccgg	ccaaa	agcat	gcatg	agcata	acttt	cctttt	360
ttaac	cttaa	tttgg	gaata	ga							382

<210> 1081

<211> 380

<212> DNA

<213> Homo sapien

<400> 1081

tacggctg	cgaaga	acgac	agaagg	gcat	caag	tcttaga	agat	acagga	aattc	60
ctagtct	atc	aattaa	actt	taataaa	acc	aaactc	aaaag	aacattt	cat	120
tataaaa	ttt	tgtca	agtgt	tactg	gattt	agatc	acccc	ccagttt	taga	180
ttataa	caca	gaattg	tggt	tccac	gggtg	ttattag	cct	gccatg	ggtt	240
tacacc	ataa	catgc	cgatg	aaggc	taatg	atggg	ccttac	tacag	accag	300

```
gggcacatag gttctgtctc attttagctc accgtctcac aaatagccac aggagatgc 360
agtaggctag gggatgccgg 380
```

```
<210> 1082
<211> 407
<212> DNA
<213> Homo sapien
```

```
<400> 1082
ggcacgaggg gaactgaaag cgatgaaaag cgttccacac gccacgagcc cgcgggatcc 60
tcggagagta tggaaccctt cccctccgct ctcagccgga ggccagctgc gtccagccgg 120
gcgcgggtctt ctgaacaccg atttcaaata aggtccccgg ggcccagcgt cacttatgga 180
agtgggtggca ttttgtggtt gctgctaaat cacggagagc agccttggcg ctgccgggtcc 240
caacttgatc caaggagcct tgagaaggag atgagattca gtaccagggg ccggccgtgg 300
ctcccatcct ccggaatctg caaaatggct acttcttcag aaataatggg gagagggatg 360
gcaagaggcc agagatcaag gccctcgagt attaacttga gcatttg 407
```

```
<210> 1083
<211> 401
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G
```

```
<400> 1083
ggcacgaggg gaactgaaag cgatgaaaag cgttccacac gccacgagcc cgcgggatcc 60
tcggagagta tggaaccctt cccctccgct ctcagccgga ggccagctgc gtccagccgg 120
gcgcgggtctt ctgaacaccg atttcaaata aggtccccgg ggcccagcgt cacttaggga 180
agtgggtggca ttttgtggtt gctgctaaat cacggagagc agccttggcg ctgccgggtcc 240
caacttgatc caaggagcct tgagaaggag atgagattca gtaccagggg ccggccgtgg 300
ctcccatcct ccggaatctg caaaatggct acttcttcag aaataatggg gagagggatg 360
gcaagaggcc agagatcaag gccctcgagt attaacttga n 401
```

```
<210> 1084
<211> 404
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G
```

```
<400> 1084
tacggctgcg agaagacgac agaagggata gaataaaaat gtaaaaacca acaaattaat 60
agactgtgtg taaaagacat aagaacatta tctagtatga ttgtgggcat taaagccaaa 120
cacatttcat cggcccagaa tggccatttc acctctagct tctgagtagg agagtcgtga 180
atgctttgtc cattgtgcat gtaaacaaaa gtcatataat ctcactttta acagggtcag 240
```

```

aagaacctat ttcttcttaa ctattacaaa tgcattttcc tgcacgcatt ggaaatccag 300
gacatcacta aagatttttc cattttggca tgtctttang aggaagaaat cgtggactgg 360
tggagtaaat ttatggcttc tccagggaca tganaatgcc gacn 404

```

```

<210> 1085
<211> 402
<212> DNA
<213> Homo sapien

```

```

<400> 1085
ccatcgattc gaattcggca cgagcctgaa tgcgtcccag gaagaggagg ggagtctggc 60
agcagccaag cgggcactgg aggcacgcct agaggaggct cagcgggggc tggcccgcct 120
ggggcaggag cagcagacac tgaaccgggc cctggaggag gaaggggaagc agcgggaggt 180
gctccggcga ggcaaggctg agctggagga gcagaagcgt ttgctggaca ggactgtgga 240
ccgactgaac aaggagttgg agaagatcgg ggaggactct aagcaagccc tgcagcagct 300
ccaggcccag ctggaggatt ataaggaaaa ggcccggcgg gaggtggcag atgccacgcg 360
ccaggccaag gattgggcca gtgaggctga gaagacctct gg 402

```

```

<210> 1086
<211> 382
<212> DNA
<213> Homo sapien

```

```

<400> 1086
ggcacgagcc tgaatgcgtc ccaggaagag gaggggagtc tggcagcagc caagcgggca 60
ctggaggcac gcctagagga ggctcagcgg gggctggccc gcctggggca ggagcagcag 120
aactgaacc gggccctgga ggaggaaggg aagcagcggg aggtgctccg gcgaggcaag 180
gctgagctgg aggagcagaa gcgtttgctg gacaggactg tggaccgact gaacaaggag 240
ttggagaaga tcggggagga ctctaagcaa gccctgcagc agctccaggc ccagctggag 300
gattataagg aaaaggcccc gcgggaggtg gcagatgccc agcgccaggc caaggattgg 360
gccagtgagg ctgagaagac ct 382

```

```

<210> 1087
<211> 381
<212> DNA
<213> Homo sapien

```

```

<400> 1087
tacggctgcg agaagacgac agaaggggct tctttcgcgt ctgcggtgcc cggagtgtgg 60
tacttctcct agttgcagtc aggttcata cgctattgtc ctgcccgtaa gtccccgttt 120
tgtgtgtggt gagtggaaac tccatgttct tcgttggaga cctctggtcc tcccttccct 180
tctttgtgcc gtgctctctg cggccagccc taatctcctt ctctgtggctt ctccgtctct 240
gaccccaaat aggccttaag ggcgtgggag aaatgagttt ctggagctgg aaaagccact 300
gccttctgca cgggcctgag aagcccttgg ctggtgtaaa tgatgacttc acttttttcc 360
ccatcagatc gacaatgctg a 381

```

```

<210> 1088
<211> 383
<212> DNA
<213> Homo sapien

```

<400> 1088

tacggctgcg	agaagacgac	agaagggctc	agaggggctt	tgagaacagg	tgtggaagct	60
ttgacttctt	caggaccctc	ttccctaata	cagtctcttt	ccatctccca	gtgtccaact	120
ttcctttcta	gatggctcct	gggagcaggc	atccatttgc	ccagggaaac	tggcaggcag	180
ccatatacta	ggagcagggc	cactgatgct	ggagcttcaa	gacctgggtt	ggaactagct	240
gtgagccttt	ggctcctaata	cttctcccag	cctcagttta	cttccccgtg	aagggtgaaa	300
gaatgatgct	tcctgcctt	gcattcctct	gagctctaac	tcaccctccc	tacaatttgg	360
atcctattcc	ctggggccac	ctc				383

<210> 1089

<211> 392

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 1089

attcgaattc	ggcacgaggg	aaaacacaaa	taataccatt	gaagagaaac	tgtttgaagc	60
tctaaccaag	actcgactag	tagaaagcag	acagacatcc	aactatcacc	gatgtgggag	120
aacagataaa	ggagttagtg	cctttggaca	ggtgatctca	cttgaccttc	gctctcagtt	180
tccaaggggc	agggattccg	aggacttta	tgtaaaagag	gaggctaata	ctgctgctga	240
agagatcccc	tatacccaca	ttctcaatcg	gggactccct	ccagacatnc	gtatattggc	300
cctggccccct	gtagaacaag	cgtcagggct	agttcaagtg	gcttgagcgg	cctacacgta	360
atttttcttc	ggccgattag	agaatgaaca	tg			392

<210> 1090

<211> 403

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(403)

<223> n = A,T,C or G

<400> 1090

ctgtggagtg	tctgggggtcc	cgcctcaacg	acatcagtct	gggagaacct	gacctcctgg	60
ccccaggggt	gcagtgtgaa	cagacagatc	gcttcaatgt	cttcctgctg	ccctgccccca	120
acctggacgt	gtatggcgag	tgcaagctgc	agatcaccca	cgagaacatc	tacctctggg	180
acatccacaa	CCCCCgtgtg	aagctcgtct	cgtggccccct	ctgctcactg	cgcgcgtatg	240
gccgggatgc	cacacgcttt	accttcgagg	ctggccggat	gtgtgatgct	ggggaaggac	300
tctatacctt	ccagacacaa	gagggggagc	agatttacca	gcgcgtccac	agtgccaccc	360
tggccatcgc	agagcagcac	aagcgggtcc	ttgctgaaat	ggn		403

<210> 1091

<211> 356

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(356)
 <223> n = A,T,C or G

<400> 1091
 tacggctgcg agaagacgac agaaggggga gatttgagcc caggcatcaa aattatttaa 60
 aattccacag atgaatccag ctggtagtta ctctagatta tccttcgagc aaggcttctg 120
 ggtggcagat gtaaataaggc ccatttgact gctaagaaac tgaggctcag acaggagaat 180
 gacctatcta aggtcacaag gttgacttat ccaagggcac aggggtgcag ggtcaatgtg 240
 aagacgtagc agaggctctg tccatgtgct gaacgggagg gagcagctca cagatgctct 300
 gattctgatg aagctggggc acatgnctgg ctccaccggt agccaccttc gatatn 356

<210> 1092
 <211> 367
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(367)
 <223> n = A,T,C or G

<400> 1092
 tacggctgcg agaagacgac agaaggggata gcgtttattc cctcttttct tacttgaatg 60
 gaatccattt ttaagctttt tgattttttt tgtcataaaa aaaagcacat aacattcttc 120
 ataatagtat tgttattcaa ctttttgtca tggttgaaat attaatgcaa tactgaagtg 180
 tctataaacc agatttattt attaccacac tgacaaaaag tacaactaac agttggcagg 240
 tagataacat cagaaaaatc catgctatga aaaggaattt tagtatgaac tcatcaaagt 300
 aactagtaat ttttaacaga ctctagtgc acatattgct ctctctctaa ctcaattata 360
 aaccctn 367

<210> 1093
 <211> 362
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(362)
 <223> n = A,T,C or G

<400> 1093
 tacggctgcg agaagacgac agaagggggg acaccttctc acaggactgg agagagaatg 60
 cggggcagct gggcagggct cacttccagc cgctgtcac agtactggga gtaagaggtg 120
 acctatttat ttttagaagg gggcagtgat aataaccag ctctagctt cattcaaggg 180
 aggcagggcg tttggaagtt tgtaaacacc gactttctga gtaagggagg agcacttttt 240
 ttccaaaaag gaaagaacgt ctctactggn gtttttctt ctgatattca gcattagagt 300
 agaaagaaac tattgtttgc cacattagcc gtggtagcag tgctgcagct ttgcactgta 360
 tn 362

<210> 1094
 <211> 359
 <212> DNA
 <213> Homo sapien

<400> 1094
 tacggctgcg agaagacgac agaagggggtc actttgaaga tgcattggcct gaactcgact 60
 gcttggtgtt gtttacatat caggcatacc caggcatctc ctgcagccag aggttccatt 120
 gctgtctttg ctcatgctctc ttttaaaata tgaattagt gacaggcacg gtgcctcaca 180
 cctgtaatcc cagcgctttg ggaggtcgag gcaggtggat cagcaggtca ggagatcaag 240
 accatcctgg ctaccactga aaccccatct ctactacaaa aaaattagcc ggcgtggtg 300
 gcgggcacct gcagtcccag ctactcggga ggctgaggca ggagaatggt ggaacccg 359

<210> 1095
 <211> 363
 <212> DNA
 <213> Homo sapien

<400> 1095
 tacggctgcg aaaagacgac agaaggggagc tgagtttaat ataatccata gaaatacata 60
 ttaatgtaaa actttaactc aaaagataaa aaagcctctg ctttaaaaagg tttaggcaat 120
 ttcggtaagt atttttarta cagaattata gaatatctag aaaggcatgt gttgaataaaa 180
 gaatgagaac aagtagttgc ttcaaactat atattatatt caaattatgt agtgcacggc 240
 attagtttct atacattcgt taaaatttaa aaaattctat ttcttatttt gtttaataaa 300
 accaaaatat tctatttcag aaaataattt aatcttttagt ttttaaatcc ttagcatagc 360
 aag 363

<210> 1096
 <211> 377
 <212> DNA
 <213> Homo sapien

<400> 1096
 tacggttgcg agaagacgac agaaggggcc aacatcacat cattgactct tcttgagctt 60
 atgaacaaac aaaaccgcag gtctccttca caagaagctg actgctaaat atggtctgcc 120
 ctggtctgtg atttttaaat gagaatctat agttctggcc tgaatttcta tatttctcat 180
 gagaagtttg tgattatcaa acacaccata gtatgaaatc atcagaatat ttaatatgaa 240
 gccctatgca agtatgaaat accttatcat ttaaatatat agactgtaca ctgacaggat 300
 ggctctggcc ataaatgtct tttatgatta tcggtacatg ttttatatgt attgttacat 360
 ggtttaacgg ggttctc 377

<210> 1097
 <211> 370
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(370)
 <223> n = A,T,C or G

<400> 1100

tacggctgcg	agaagacgac	agaaggggaat	cactgtctta	atctttctcc	ttccaatcct	60
tcttgctgt	cctgcctgag	taacttttca	aaacttccag	ttaatcaata	aaggcttctc	120
attgccttcc	ttcagngtgg	ctttcacatt	ctgccccagg	ccactctctt	gcccttggtt	180
tcttcaattc	ttccatgcct	atattagtcc	atttgactgc	cataaagaaa	tacctgaggg	240
tggttaattat	aaggaaagag	attatttgct	cattggctgc	agctgtacag	agcatgcatt	300
gcattgctct	gtaaagactc	aggaggtcca	tcatgcagag	gtgagggggg		349

<210> 1101

<211> 376

<212> DNA

<213> Homo sapien

<400> 1101

tacggctgcg	agaagacgac	agaagggcac	cgaggactgc	ccaggggtgct	ctgagcaggg	60
caatgccaat	ggcgctaagg	gtttctagcc	cagggcttct	cagactcagc	actgtggacg	120
tggctctgcg	gcgtgggctg	tctgtgcaac	tgcaggctgt	ctggcagtat	gcctgacctc	180
gagtccttgg	atgccaggag	cacccactcc	tcccagtgtg	acagctaaaa	ccagacattg	240
acaaaggctc	cctaggaaag	aaaattgcta	ctggttggga	actgctgcta	gccattcttt	300
ctggccactg	cagcatgggg	tcagtgaacc	ttgtcttgat	agaatggcaa	ggtgttgctt	360
ggaccacag	ctgcat					376

<210> 1102

<211> 372

<212> DNA

<213> Homo sapien

<400> 1102

tacggctgcg	agaagacgac	agaagggcat	ctggccttgt	aggtgccggg	aacgggcaag	60
acatgttttg	aatgtaaga	tcacagactg	ttttttgcaa	gaccacatta	tattacttta	120
ttattttctg	ctttttcttt	taacgacatt	agtgtttttg	atcactatat	tttaaaatgc	180
tttttgtag	ctttttggtt	atgtggaatc	tgttccttag	ctctgatttt	ttattcttat	240
ggagcgtctt	aggttactac	atgaaggtaa	gactgccaca	gtcccccagg	gaggcacact	300
gtgttttact	gattgatttg	aagatgatag	agagcctagg	gggatgagtc	tattggactc	360
aaaggttaca	tt					372

<210> 1103

<211> 370

<212> DNA

<213> Homo sapien

<400> 1103

tacggctgcg	agaagacgac	agaaggggga	aatgcattgt	ctacgttctt	ctagacctct	60
aggttccctt	ctattctcag	aagaaactta	agttatgctt	gagtataact	tgagttagggg	120
ccaggtaggg	gcagcattgt	gggattcagc	cacaatgggtg	tgattcaatc	tgccctctgg	180
tctttgggtc	catttaacgt	gcatttattg	agcagctaac	ttgagtcagc	actgtactag	240
gtgctatata	ccagggatgt	acaaaacaga	tttgatgttg	ctgattaaga	aagtatctgt	300
acaagttaca	aactcacctc	ccagagcact	tgccctggag	ccttggagct	tgccccagtc	360
ttctctcttt						370

<210> 1104
 <211> 350
 <212> DNA
 <213> Homo sapien

```

<400> 1104
tacggctgcg agaagacgac agaaggggaat cactgtctta atctttctcc ttccaatcct      60
tcctgctgtg cctgcctgag taacttttca aaacttccag ttaatcaata aaggcttctc     120
attgcctttc ttcaggttgg ctttcacatt ctgccccagg ccactctctt gcccttggtt     180
tcttcaattt cttccatgcc tatattagac catttgactt gccataaaga aatacctgag     240
gctgggtaat ttataaagaa aagagattta tttgtctcat ggttccgcag gctgtacaag     300
aagcatggca ttggcatttg cttctggtaa agacctcagg aagtttccaa     350

```

<210> 1105
 <211> 347
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (347)
 <223> n = A,T,C or G

```

<400> 1105
tacggctgcg agaagacgac agaagggaca tatggccaaa catgcatatt aaccagtttg      60
gttttttcac ttaccaatat gatttgaaga tcattccgta ttcagcacat acgtctgttt     120
ctcgtaagt atttatttac acctcacaac aactctgtac tcccctgtta ctccccatt     180
ntacagagga gactgtaggt ctggagatat taaatgactt gctgttggtc acacaattga     240
taagagggag aggtcaaatt tgcttcagag tcttttagagc tcttgaccat agactcttca     300
catggacatg tggcttcac tacaacagng agtatgagac ccttaaa     347

```

<210> 1106
 <211> 369
 <212> DNA
 <213> Homo sapien

```

<400> 1106
tacggctgcg agaagacgac agaagggcat ttgaatgtgt ttcccccttaa atataaacta      60
aatgtcatc gtctgcttca aagaagaact atcgtttata agtaagtggc cggattcagg     120
atgcaagctg atcattttcc tgtcttttaa aaataaaccg ctaagaagaa acaataaata     180
aaaaataaaa tatgcttctt ttacaacaaa gacagtagag tctggacatt tctggaagat     240
gggctaanaa aaacacaaaa tgcaccgggc gcggtggctc acgcctgtaa tcccagcatt     300
ttgggagtcg gaggcgggag gatcacgagg tcaggagatc gagaccatcc tggctaacat     360
ggtgaaacc

```

<210> 1107
 <211> 357
 <212> DNA
 <213> Homo sapien

<400> 1107

```

tacggctgcg agaagacgac agaagggggt cttgttacta aagtaaatca ctctacaag      60
ttatatagtt tattgtttca tggaaacaca aagaaccatt ccaaaatatg atttagcaac      120
ctcaatatta ggacaattac aggggataaa tagtcacata aggtgactgg actcaatggt      180
aaccacgggt ccctgtttct tgagggtcac cactcaaagg caaaattaca aacctacaca      240
gtgccatccc agaattttat taacatatat ttccatgaaa gccagccttc gcttttttagc      300
catctcagca aatgtagcac aactagtggg cttacaactg tatcatgata aaacgca      357

```

```

<210> 1108
<211> 360
<212> DNA
<213> Homo sapien

```

```

<400> 1108
tacggctgcg agaagacgac agaaggggata gaataaaaat gtaaaaacca acaaattaat      60
agactgtgtg taaaagacat aagaacatta tctagtatga ttgtgggcat taaagccaaa      120
cacatttcat cggtcccagaa tggccatttc acctctagct tctgagtagg agagtcgtga      180
atgctttgtc cattgtgcat gtaaacaaaa gtcataataat ctacttttta acagggtcag      240
aagaacctat ttcttcttaa ctattacaaa tgcattttcc tgcatcgatt ggaaatccag      300
gacatcacta aagatttttc cattttggga tgtcttttagg aggaagaaat cgtggactgg      360

```

```

<210> 1109
<211> 365
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(365)
<223> n = A,T,C or G

```

```

<400> 1109
tacggctgcg agaagacgac agaagggcag gcacctgcta ccatgccag ctaatttttg      60
tatttttagt agagacatgg tttcaccatg ttgccaggc tgggtctccaa ctctgacct      120
caagtgagcc acccccctcg gcttcccaa gtgctgngat tacagggtgtg agccaccaca      180
cccagccaaa aatcaccttt tttacaagga tcanaacagt cattatgctg gagatgacag      240
acctcactgt caccatgctc tttntgatgt ctactaagca cggtngetgg tccacactca      300
cagaaacctt agaactcgca cccaggngct cggctgtagc agaatcccaa gaataaaacc      360
tgtgc

```

```

<210> 1110
<211> 378
<212> DNA
<213> Homo sapien

```

```

<400> 1110
tatctttttg cgagaagacg acagaaggga tgagtgacta gctattttaca aaagagcgat      60
ttagactcgt gcctcacaga atccaccaa ataaattcta cccgtattaa aggggttaagg      120
atataaaatt aaaccacaga aaattagaag aaaatgaaag acatgttcaa tctggatagc      180
agaggatttt ctaaagctaa aaataacaaa tgcgtcattc taattttcct taataggcgt      240
atgttattct taaaggcatt tattattcct attattcctt aaaggcatac attattcaga      300
aaaaagcaac agaagatcta acaaggga aaattactgt tttagttact ttaaaattta      360

```

378

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<210> 1111
<211> 364
<212> DNA
<213> Homo sapien
```

<400>	1111								
cgttgctgtc	gggaggttgc	agtgagctga	gaccacgccca	ttgcactcca	ggctgctggg				60
caacaagagc	aaaactccat	ctcaaaaaat	agccggggcat	ggtggcgggc	acctgtagtc				120
ccagctgtc	aggagactga	ggcaggagaa	tcgcttggac	cggggactcg	gaggttgag				180
tgagctgaga	ccacgccatt	gcactccagg	ctgctgggca	acaagagcaa	aactccatct				240
caaaaaagaa	aaaaaaaaaa	ttacaagtca	atctgtttcg	ttaatgtagt	tgcaaagatc				300
ttactaaaat	attagcaatc	agaaaccagt	tatgtattta	aaaactagat	tatgaccaag				360
ttga									364

```
<210> 1112
<211> 369
<212> DNA
<213> Homo sapien
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<400>	1112						
tacggctgcg	agaagacgac	agaaggggct	accttttgct	tatacgtcaa	ttagccacca		60
cacctgggta	atttttgtat	ttttggtaga	gacgggattt	caccgtgttg	gccatgctgg		120
tcttgaactg	ctgacctcga	gtgaaactgt	ccacctcatc	ctcccaaagt	tctgtgattg		180
caggtgtgag	cctgtacatt	tgttttaata	tggaaatttt	cagtgtgatt	taatgaactc		240
cccaactcag	tgatactctg	ttgtaactga	gtttggtttc	tctaatacagg	ctgcagacaa		300
ctagtcagat	cggctccagt	aaagggacgt	tcattgtata	gacacactga	gcagttcagg		360
acaagaatg							369

```
<210> 1113
<211> 359
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(359)  
<223> n = A,T,C or G
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<400>	1113						
tacggctg	cgaaga	acgacgac	agaaggggga	aaattcattt	catggacatc	ttgttgccag	60
gaatcagt	gtgatt	cactttt	tcatttcagg	atgatgttga	gtcctctgtg	ttattcccag	120
tgtggacg	tgtagtg	acgacgac	tgatgtctaa	ttatttgga	gggagagagc	ttctctaaga	180
aggacatg	cgaatg	cagaag	cttcgcgttg	cgttgcaacac	gtaactttac	ctatgtttca	240
ccaagggc	aggtt	aaagatg	cgaatg	ccata	gtggatacaa	gaagatctcg	300
aaagctgg	cccc	gcaaaatc	gttccataga	ataacactaa	aaaggggttg	actaaggggn	359

<210> 1114
<211> 353
<212> DNA

<213> Homo sapien

<400> 1114

tacggctgcg	agaagacgac	agaaggggagc	ggggaggcctt	atcatttttag	gccatgaagt	60
tctgacatgg	tttggtatgc	aggaatagac	aactaatcta	caccacatac	aaattataat	120
gttcctttttt	tttttggttc	tattattggg	tttaataaaa	tcacaatatg	tcctggaatt	180
cttaattcca	caattttaaa	aaacaatatg	ataatacact	ttgaggaggt	accatagttc	240
atttaaacaa	tcccttgta	atgaacaatt	ggattatttc	caataatttg	gtcctggatt	300
ttgaggatcc	aaatcccaat	ctacttgact	gtcctggatt	tgccaggcct	taa	353

<210> 1115

<211> 356

<212> DNA

<213> Homo sapien

<400> 1115

tacggctgcg	agaagacgac	agaaggggga	gatttgagcc	caggcatcaa	aattatttaa	60
aattccacag	atgaatccag	ctggtagtta	ctctagatta	tccttcgagc	aaggtttctg	120
gggtggcagat	gtaaataaggc	ccatttgact	gctaagaaac	tgaggctcag	acaggagaat	180
gacctatcta	aggtcacaag	gttgacttat	ccaaggtcac	aagggtggca	gggtcaatgt	240
gaagacgtag	cacaggctct	gtccaatgtg	ctgaaacggg	agggaggcag	ctcagcagat	300
gtctctgaat	tctgactgga	agctgggtgca	cacatgtcct	gactcccacc	gtctca	356

<210> 1116

<211> 364

<212> DNA

<213> Homo sapien

<400> 1116

tacggctgcg	agaagacgac	agaaggggaat	ggcagaagaa	ggaagggggc	gacaggatgg	60
tggtaatgtt	aataggctaa	acttcaagta	ccataacaaa	gtccgcagat	aatagcaaaa	120
attgaaaaag	caagaaatgg	cactacaaac	gtgtctttta	gagccatgaa	ggtaatcacc	180
atagaaacga	aaagcagaag	tggctaacag	tccttgccctc	tctctgcagg	agaggaagaa	240
ggtgtgcaag	ggagtggctg	tgctatctga	ctttctaccc	aggaccttgt	tttactttta	300
gaataggcaa	ggaggccggg	cgcggtggct	catgcctgta	atcccagcac	tttgggaggc	360
cgag						364

<210> 1117

<211> 359

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(359)

<223> n = A,T,C or G

<400> 1117

tacggctgcg	aaaagacgac	agaagggaaa	tatctaatat	attttttcta	attaagaaca	60
aataaatgaa	aaaaacaagt	gaaaccttta	atttgcatat	aaataaggga	attaacacca	120
gcatactaagg	ttatgtcaat	ctgtagaaga	ttaattcttt	ctcaccagaa	tttgtttcca	180

tgacatat	tc aagccatt	ta tcaggccc	ag atattcc	act ttccag	tata agcctt	caaa	240
gtacaaaa	ac atgaact	gta ccacccc	act tacgtt	gcat ggatgt	tctc ttgctt	actt	300
ttattca	agt ccttcct	an acttgt	ttag cagtatt	tcc acatact	tac tgatca	tan	359

<210> 1118
 <211> 338
 <212> DNA
 <213> Homo sapien

<400> 1118							
tacggctg	cga agaag	acgac	agaagg	gttc	tccatccc	ctc	60
caaagaac	tt cacaga	gtg agaa	agaaac	accctccc	tg gaggat	gtgt	120
ggcttgct	cat gccatt	gccca agtt	tacaga	aatgtgtg	gc caagg	aaacc	180
aagccaat	tt aaagaa	ctc cagg	ctggta	gtgtccta	ag gtgcct	gatg	240
catattct	ccc agagg	gaaca tttct	cagcc	caataaca	ca ggatccc	cat	300
caatttga	at atgtat	tttac	attttta	aaaa	aagaaa	at	338

<210> 1119
 <211> 373
 <212> DNA
 <213> Homo sapien

<400> 1119							
tacggctg	cga agaag	acgac	agaagg	gttat	ctgctgt	aat	60
taaaaaca	tc ccattt	ctctg acttt	acttg	gagaacc	agc tagag	gtgaa	120
ttcatgac	ct ggact	gaaaa cattt	tcaag	ttctct	attt cgg	tcaata	180
ataattccc	c aaagca	tct ccttt	tccac	ctgtgct	acg actct	cttg	240
tattcccac	a gatcac	aaaa tcaca	aagca	ccggag	ctgg aaga	atctta	300
caaggccag	g agcgg	tggct cacgc	ctgta	atcccac	ccac	tttggg	360
gggattac	ct gag					caaggc	373

<210> 1120
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 1120							
tacggctg	cga agaag	acgac	agaagg	gcaa	aggtaca	aag	60
aaggcac	ata ata	agtaag	tg gtaga	gctg	gagttca	cat	120
tctgtgct	t taacc	acatt ctggg	ctgca	tctttt	atag	acaa	180
attacgag	ac ttgg	atcaca	tacca	agaga	gtgttaa	agc	240
gggccat	cag attcca	agtc cactg	gagaa	aagat	gtata	tctcta	300
tgctcaac	ta ctcaga	ctaa tccc	aggtga	tggat	gtcta	atgctc	360
agtctctg	ag					cagga	370

<210> 1121
 <211> 366
 <212> DNA
 <213> Homo sapien

<400> 1121

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<210> 1122
<211> 361
<212> DNA
<213> Homo sapien
```

```
<210> 1123
<211> 360
<212> DNA
<213> Homo sapien
```

```
<210> 1124
<211> 361
<212> DNA
<213> Homo sapien
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<210> 1125
<211> 359

<212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(359)
 <223> n = A,T,C or G

<400> 1125

tacggctgcg	agaagacgac	agaaggggag	ggttttcagg	cagaggaaca	gttggccaag	60
gaagtcagct	tctcagagct	caagagatct	gagtttaact	cattaaagat	ggcatggaag	120
agcagtgtca	taatgcaaat	gggaagattt	cttctcttag	taattctatt	tctgccacgt	180
gagatgacaa	gttctgggtt	aactgtgaat	cgtaacactg	agaactatat	cctggatact	240
acacctggct	cccaagcatc	tctgatatgt	gctgttccaa	accacaccag	agaggaagac	300
tgctctggta	ccgagaggag	ggagagggga	tttganatct	ggaacaaatt	catttccgg	359

<210> 1126
 <211> 354
 <212> DNA
 <213> Homo sapien

<400> 1126

tacggctgcg	agaagacgac	agaaggggtca	ccatcttagc	caggatgggc	tcgacctcct	60
gaccttgtga	tctgcccacc	tcggcctccc	aaagtgctgg	gattacaggt	gtgagccacc	120
acacccggcc	tcattcattc	tttgaacggt	tcaaccctac	ctcctccaat	gaagccttcc	180
ctgatcagaa	tcgcccctctc	ctcagttctac	tacctgtacc	agtcacacaa	cacttgccaa	240
cttttacctt	gcctgcttat	gtctcttgct	agaccgagtc	ccttctcagt	agattcagtt	300
gactatttat	ttatgttaaa	ctctaaattg	ggtagtagcg	ttataagaca	gaag	354

<210> 1127
 <211> 366
 <212> DNA
 <213> Homo sapien

<400> 1127

tacggctgcg	agaagacgac	agaaggggga	aaattcattt	catggacatc	ttgttgccag	60
gaatcagtg	gattcacttt	tcatttcagg	atgatgttga	gtcctctgtg	ttattcccag	120
tgtggacgtg	gagtagtgac	tgatgtctaa	ttatttgga	agggagagag	cttctctaag	180
aaggacatgc	aatgtcagaa	agttccgggtg	cttggaacc	aacgaacttt	accttatgtt	240
caaccaaagg	cagttaaaag	gctaaaagaa	tgccattcag	gcatagtaga	atacaaggag	300
atcttcgaag	ctggccccgc	aaaaacgctt	tcacacctaga	attaacacct	agaaaggggt	360
ggggag						366

<210> 1128
 <211> 375
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(375)

<223> n = A,T,C or G

<400> 1128

tacggctgcg	agaagacgac	agaaggggagc	attaacatag	aaactagaga	ttagtagtac	60
tggagccaag	ttttatccaa	aatcgtgtgg	ctctgttatt	ttaaatacaa	agacaaataa	120
gaaaacagga	cacttttgtgt	ccctagcttt	gaatctgatt	attttgtata	ttccaaaaaa	180
cacctagacc	cctggatttt	tccacagcag	ctctacttaa	ctatcagtga	aaaacgctgg	240
gacatccac	caccaccaac	agcaccctt	atgagattat	ccattgtttt	aaaagcccag	300
ctttccttct	tttgaaaggt	actcccttgg	gggagctatc	ctggcctaac	aaggtatttg	360
taatggatgc	aaatn					375

<210> 1129

<211> 359

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(359)

<223> n = A,T,C or G

<400> 1129

tacggctgcg	agaagacgac	agaagggggag	ggtttttcagg	cagaggaaca	gttggccaag	60
gaagtcagct	tctcagagct	caagagatct	gagtttaact	cattaaagat	ggcatggaag	120
agcagtgtca	taatgcaaat	gggaagattt	cttctcttag	taattttatt	tctgccacgt	180
gagatgacaa	gtttctgtttt	aactgtgaat	cgtaaaactg	agaactatat	cctggatact	240
acacctggct	cccaagcatc	tctgatatgt	gctgttcaaa	accacaccag	agaggaagaa	300
ctgctctggg	accgagagga	ggggagagtg	gatttgaaat	ctggaaacaa	aatcaattn	359

<210> 1130

<211> 358

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(358)

<223> n = A,T,C or G

<400> 1130

tacggctgcg	agaagacgac	agaagggggg	cggtggctcg	gtctcccggc	tgcgcgcgga	60
gcgggagggc	tctcctcaca	caagcgcttc	cttgccgaga	ggctggagct	gcggcaccgc	120
aggcctgagc	caccccttct	ctgctgtctc	cttctcttcc	tcagggtctc	cgtgtctgct	180
cgcctccga	cgtgctcag	actatggaaa	tgatgttaga	caaaaagcaa	attcaagtga	240
ttttcttatt	caagttcaaa	atgggtcata	aagcagcaga	gacaactcgc	agcatcaaca	300
atgcatttgg	cccagaaatt	gctaacaaag	gtacagtgca	gtggtggttc	aagaactn	358

<210> 1131

<211> 364

<212> DNA

<213> Homo sapien

<223> n = A,T,C or G

tacggctgcg	agaagacgac	agaagggcat	ttgcatcaag	tcttagaagt	acaggaattc	60
ctagtctatc	aattaaactt	taataaaacc	aaactcaaag	aacatttcat	tgtgcattta	120
tataaaaattt	tgtcaagtgt	tactggattt	agatcacccc	ccagttttaga	agatcatcag	180
ttaatacaca	gaattgtgtt	tcacgggtgt	ttattagcct	gccatcggtt	aaaatgcgtt	240
tacaccataa	catgcccgat	gaggctaattg	atgggcttac	tacagaccag	aaacctgtcc	300
tggcacataa	gntctgtctc	attttagctc	accgtctcac	caatagccac	aggcagatgc	360
aqta						364

<213> Homo sapien

<223> n = A, T, C or G

tacggctgcg	agaagacgac	agaaggggagc	attaacatag	aaactagaga	ttagtagtac	60
tggagccaag	ttttatccaa	aatcgtgtgg	ctctgttatt	ttaaatcaaa	agacaaataa	120
gaaaacagga	cacttttgtt	ccctagcttt	gaatctgatt	attttgtata	ttccaaaaaa	180
cacctagacc	cctggatttt	tccacagcag	ctctacttaa	ctatcagtga	aaaacgctgg	240
gacatnccac	caccaccaac	agcacccttt	atgagattat	ccaattgttt	aaaagcccag	300
ctttctttct	ttgaaagtac	tcacttgggg	agcttacctg	cttaaacaggt	at	352

<213> Homo sapien

tacggctgcg	agaagacgac	agaaggggca	tatgccaggc	tcgctcgacc	ctggaatgag	60
gatgtaggaa	gcaggcagag	ctccggttca	gccttcacaa	tgggactgaa	gcaggagaga	120
aggctgggca	gaagggctgt	ggggaagtag	ggcttgctct	catggatgac	gtccagaagg	180
atgtcaggag	gaggaatatc	acaggagtta	tagacattgg	agggaacaga	gactggcaca	240
ggacctcttc	attgcaggaa	gatggtagt	taggcaggta	acattgagct	cttttcaaaa	300
aagggagagct	cttcttcaag	ataaggaagt	ggtagtatat	ggtggaaccc	cccgcctatca	360
gt						362

<213> Homo sapien

<400> 1134

<210> 1135

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (378)

<223> n = A,T,C or G

<400> 1135

tacggctgcg	agaagacgac	agaagggggca	gttaaatacag	gtggagcagt	attaaatggt	60
gaaggaacag	ccacaaatac	tgaggaattt	tggggcaaata	aaggtttaac	atccattaaa	120
aaggacatga	ctgacataag	tcatggttat	gaagatcttg	gcctcttact	caaggacaaa	180
atagcggaac	tgaacactaa	actctccaaa	ttgcaaaagg	ctcaggaaga	atcaagtgca	240
atgatgcagt	gggtacagaa	aatgaacaaa	actgcaacaa	aatggcagca	gacacctgca	300
cctacagata	cntgagctgt	gaagactcaa	gttgagcaga	ataaagtgtt	tgaggcagaa	360
ctgaagcaga	atgtaaaa					378

<210> 1136

<211> 373

<212> DNA

<213> Homo sapien

<400> 1136

tacggctgcg	agaagacgac	agaagggagc	aagacctggg	cctggagctc	agggtccttt	60
ttaggtggga	taaaaaaaga	gggacagaga	gagggaggaa	aagagagggc	acggaggccc	120
agaaagagag	ggggacagag	accagagag	agagggggac	agagaccag	agacccaaag	180
agagaaggac	agggaccaag	acagggggac	agattcggag	agaaagggac	agaggcccag	240
agaacaaggg	tcccagagac	ttcgggacac	gcttggaatc	agggagggct	tttgaaagca	300
gggccgtgtt	gtcccctctg	aaccctgacc	ctccctccag	gacgggcggc	tgagcaaagc	360
gaaatcctg	ggt					373

<210> 1137

<211> 350

<212> DNA

<213> Homo sapien

<400> 1137

ggcacgagggc	ggctgcttcc	tccgggggtcg	tatctccgcc	cggcattgggg	ctgctggacc	60
tttgcgagga	agtgttcggc	accgccgacc	tttaccgggt	gctgggcgtg	cgacgcgagg	120
cctccgacgg	cgaggtccga	cgaggctacc	acaaggtgtc	cctgcaggta	cacccggacc	180
gggtgggtga	gggcgacaag	gaggacgcca	cccggcgctt	ccagatcctg	ggaaaagtct	240
attccgttct	cagtgcacaga	gaacagagag	cagtgtacga	tgagcagggg	acagtggacg	300
aggactctcc	tgtgctcacc	caagaccgag	actgggaagg	cgaattgcgg		350

<210> 1138

<211> 359

<212> DNA

<213> Homo sapien

<400> 1138

tacggctgcg	agaagacgac	agaagggaga	tgtccatctc	ctatctactt	tgcaaacatt	60
ggtttcttta	ggcggaaact	tatcgatgct	gttggcttta	gccacttcg	aattctacgc	120
aagcgcaaca	aagctttgag	gaaaatccga	aaactgcaga	agcaaggctt	gctacaagtg	180
acacaaaaag	gatttatatg	tactgttgac	accataaaaag	attctgacga	agagctggac	240
aacaatcaga	tagaagtact	ggaccagcca	atcaatacca	cagacctgcc	tttccacatt	300
gactggaatg	atgatcttcc	tctcaacatt	gaggtcccca	agatcagcct	ccacagcct	359

<210> 1139

<211> 322

<212> DNA

<213> Homo sapien

<400> 1139

tacggctgcg	agaagacgac	agaagggagc	atctagtaca	ttctgatcta	tttatagaat	60
gaagatttca	aattcagatc	aaataattga	gaaagccttt	cacaaaaagg	gattgaaggc	120
cacaaacagg	tcatatgcta	tgaacattct	ctcagttgtt	tactatatag	tattcaatat	180
atctttattg	gacttctatt	atgttctaag	gtcttaacaa	aatactagct	aactgaatcc	240
aacacatatc	aaaagataat	cccataatc	aggtgggttc	acaccaggat	gcaggatggg	300
taacatacgc	cagcaataaa	gg				322

<210> 1140

<211> 227

<212> DNA

<213> Homo sapien

<400> 1140

ggcacgagat	ttctgccgag	tcgagctgga	cacccggaga	tcagggaggc	agcagggcag	60
tccatcaagg	ggaccaaact	caccatcacc	caggctgtca	caaccaccac	cacctggagg	120
cccagcagca	caaccaccat	agccggcctc	agggtcacag	aaagcaaagg	gcactcagaa	180
tcatggcacc	taagtctgga	cactgccatc	agggttgcat	tggtctgt		227

<210> 1141

<211> 606

<212> DNA

<213> Homo sapien

<400> 1141
 tatttttgctt ttacgacag aagggaaatta ttaagactta ttggctggca tcatgtcatt 60
 cccagctata actcttaatt ttcttaaaat gctttctgta aatgagtgtt gcatttatat 120
 ctttcatgtg ctttaagaat ctctctcatt tgattgggac acctacaaa tagcaatagt 180
 agtagtcttt tataatactc tagaattctt ttttttcaag atggagtctt gctctgtcac 240
 ccaggctgga gtgcagtggg gcgatcccg ctcactgcaa gctccacctc ccgggttcac 300
 accattctcc tgcctcaacc tcccaagtag ctgggactac aggcgcttgc caccacgcca 360
 ggctttttgt atttttaata gagaccaggt ttcaccatgt tagccaagat ggtctccatc 420
 tcctgacctc gggatcccg acccttggcc tcccaagtgc tgggactccg gcgtgagccc 480
 ttggcctgcc atactctaga ttctattgcc gcaaaaatcc caggaggccg gcgtgtgggc 540
 caccatatcc agcattcgga ggcgagtggg tgaaacctga gcacgagttg aaccactgac 600
 atgtgg 606

<210> 1142
 <211> 226
 <212> DNA
 <213> Homo sapien

<400> 1142
 ggcacgagct gacttgctt cttttctttg aactgtctgc agggagggag gacaaggcca 60
 gcttagatct ggctgcagg acagaggcct cagtggctca ggaccttcc ctgcccctcc 120
 ccaggaacaa gcagaggcag ctgaggtagt agcagcctcc tgcaggttta gagacagaca 180
 ggccagggtt caaatcctag ctcttctct cactagccat gggatt 226

<210> 1143
 <211> 390
 <212> DNA
 <213> Homo sapien

<400> 1143
 ggcacgagct ttcctggcca gacacagtgg tcagtcctgc aatcccaaca ctttggttgg 60
 ctaaggtggg aggatttctt gcggccaggg gttcaaggct gcagtgcgtt gtgatccacc 120
 actgcattcc aggtctggga tcagagtgcg gctctctctt aaaaaaaaa acccttctact 180
 ccccaaaaaa agggatttgc aaataaccagc ctttcagcat gaggatcaca tggaggaaca 240
 ttaagataca gatgctggga cccagcccta ttgattgtaa ttcaaaaact gagggggggc 300
 ctgatttacc tccatcattg gaatccattc cgatttgaaa ctctctgggt tggacagttc 360
 aagagagatc ctaaagaaag caaaatcact 390

<210> 1144
 <211> 458
 <212> DNA
 <213> Homo sapien

<400> 1144
 ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagagc gagagagaga gagagagcgc 120
 gagagagaga gatatatata tatctctcgc gctcgcgcgc gctctctctc tctttttttc 180
 tcttttgcgc gatttctctc gcgccccccc ttctctctct ctctctctct cctctctctc 240
 ttctctctct gtctctcact ctctctcttt cttttttttt ttatacactc tctctctctc 300
 tctctctctc tccctctctc tctttgtttc tccgcgaga tctgtgtctc ttcttttttg 360

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 1148

tacggctgcg	agaagacgac	agaagggcat	tcattatcag	gaagttttag	ttatctgtca	60
tttttttttt	tcacatcagt	ttgatcagga	aagtgtataa	cacatcttaa	agcaagagtt	120
agtttggtat	taaatcctca	ttagaacaac	cacctgtttc	actaataact	taccctgat	180
gagtcctatct	aaacatatgc	attttaagcc	ttcaaattac	attatcaaca	tgagagaaat	240
caccacccaaa	gaagatgttc	aaaataatag	tcccatatct	gtaatcatat	ctacatgcaa	300
tgtttagtaat	tctgaagttt	tttaaattta	tggctatttt	tacacgatga	tgaattttga	360
cagtttgtgc	attttcttta	taacan				385

<210> 1149
 <211> 383
 <212> DNA
 <213> Homo sapien

<400> 1149

tacggctgcg	agaagacgac	agaagggggg	taagggatgt	tcacttcaga	agtcattggg	60
gagtttccag	cgatgtcaca	tctgactacc	ccggcatgga	tatatagaat	ctcttggtac	120
ataccatcct	ggtctgttgc	cagatttagt	ttgcttggtt	gatcttgagt	atttttggtt	180
tgttttgttt	ttgagacgga	gtcttgctcg	gtcaccacag	ctggagtgca	gaggtgtgat	240
ctcggctcac	tacaacctcc	acctccccgg	tttaagcgat	tctcccggtc	agtcctcccg	300
gtagctgtga	ttacaggcac	ctgccatcat	gctcaggtag	tttttgatt	tttgtaacga	360
cggggtttca	ccacgttggc	cag				383

<210> 1150
 <211> 381
 <212> DNA
 <213> Homo sapien

<400> 1150

tacggctgcg	agaagacgac	agaaggggga	agagaggcca	ctttttctgc	atttctctga	60
gccctccctg	gggcaagtgt	cctctcacat	catacccatc	tctaccacgc	agaaggctct	120
cactcaagga	ctgtcaagga	taactaatcc	aagaccatcc	ccaccacta	ggtgccaaaa	180
agctagcaag	tcagctacct	aataggtgtc	ttttgagaca	ttcaacacac	atagatttaa	240
aatatacaaa	acaggaaact	gtctttacat	ggtagtcttt	caactaaaat	gggtacaaga	300
tcttaaattt	gttgccatca	aggtactata	caatgaaaac	tggtggtccc	agggatgacc	360
ctgaaatact	gtgaggtcct	g				381

<210> 1151
 <211> 386
 <212> DNA
 <213> Homo sapien

<400> 1151

tacggctgcg	agaagacgac	agaagggggg	aagatgagtg	taataccctt	gagcacacag	60
gggtgggacac	cacaaatgct	caaccaacag	cagcgatgac	agtataggca	actaccacaa	120
gaaagaattt	gaacatgtcc	caattcgaat	tttgattcct	aatcaagatc	tagtgaattt	180

```
<210> 1152
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G
```

```
<210> 1153
<211> 380
<212> DNA
<213> Homo sapien
```

```
<210> 1154
<211> 407
<212> DNA
<213> Homo sapien
```

<400> 1154						
ggcagcgagcc	tccctctgac	tctaagaatt	ctctcttctg	gaatcgcttg	aaccaggag	60
gcgaggttg	cagtaagcca	aggctatgcc	actgcactct	agcctgggtg	acagagcgag	120
actccatctc	aaaaaaaaa	aaaaaaaaatt	ttttttgtcc	catcacaatt	tttcaaaaca	180
agggcaaccc	ttatgtttgg	gaaccctgtt	ttgttaggca	aagttacaag	ggacctaaag	240
ggacctaaaa	gggggggggg	ccttttttggg	ggttgggggg	gggggggggca	ctaaaaacct	300
taaacaccct	aaaaccggg	gggggcatcc	cgcttttgcc	ataagcaggc	ctaaggcata	360
ataaaaggac	agggacaccc	ttcttgacaa	accaccttga	tttgggg		407

<210> 1155
 <211> 441
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(441)
 <223> n = A,T,C or G

<400> 1155
 tacggctgcg agaagacgac agaagggcag acaaatatat cacaaataac ctatataaat 60
 tcactatatg aaaagcaggc caacatttcc accccatcct tcctctttcc cccagctctg 120
 gatataaaac acatattttt cagtttagatt ttttcagtta agtgattact ttcaattccc 180
 ctgttttttg catttaaaaa tgttcacttc ttattgcaag acagggacag tctttaaaga 240
 tttttctgct caccaccact accaaaaaact aataacaaat tttgtcttca tggggaagaa 300
 aatcttactc attcttgaga ttccacagcc atgtctaaag atctaggcta tataagaaga 360
 gaggaatgcc ttagaaatgt aatgctgttt tcctacggaa tcaattctgt agaaatagaa 420
 ccattggtgat ncagagtacc t 441

<210> 1156
 <211> 390
 <212> DNA
 <213> Homo sapien

<400> 1156
 tacggctgcg agaagacgac agaaggggta gtcagattaa gattgctaga ggtgaggtca 60
 agtaaactat gaggccatga tactgtattg cacttctacc taacattgaa gtcacccagg 120
 gtgatggcag gactaggggt ggagaggaat actgggggta gaggccttgg taaagggcag 180
 tgaggtaact ggcaggatgg taggtagaag aaatgaggaa ggacagagaa tgacgtagcg 240
 gaatagccaa gacttttgcc caaggtctct gaaataaaaag tctggaagca gcattggtga 300
 gcagagggta ctgacctccc cactcctccc ttaggtgtgt agaatatgag agaacgattt 360
 agccttcatt tagcaagttc cacaggggaaa 390

<210> 1157
 <211> 457
 <212> DNA
 <213> Homo sapien

<400> 1157
 tcttttggcc gaagcggcct acggctgcga gaagacgaca gaaggggggc agggatgcta 60
 cccacaatat atgcagaacc ccagatggag cctgtgggag agagaggaaa ttaccgtctt 120
 cactgtaggc aaaggagaat ggctgtgatt agccatatat gcctataaga aggagcagag 180
 ccatactgtc cttgtgggtt gggagagggg acacagaatc cagggcaatt gtctgaggtc 240
 tcaaagtaag ttaagccaga gtcaaagcca aactccaagt cttggccaag gggatgagaa 300
 aagcaaggag ctagtcttat aggtcaagga agatgaggta tagttaagag tcatcagtat 360
 cacagaacag gccagcaggg ctttattagg tatgtagaac tattataaac caggatcttt 420
 ggagatataa tatctgctgg cagacctaaa aaaaatg 457

<210> 1158

<211> 401
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(401)
 <223> n = A,T,C or G

<400> 1158
 ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
 gagagagaga gagagagagg ggggtgtgCGC gctctcatTC tctcgtgtgt gcacacactc 180
 tctctatata tatgtgcaca cactatTTTT ttttgtttctc tctctccctc tatatgtttt 240
 tttttttata cacacacata tatacccccc tgtgttttgt ctctctctct ctaaaaaaca 300
 cacttttttt ttttttctca gcgcgcgagt ttttttctca agagaaaaaa cactctcaca 360
 cgtgtntgtg tggaggggggt ctcttttata tacactcccc c 401

<210> 1159
 <211> 383
 <212> DNA
 <213> Homo sapien

<400> 1159
 tacggctgCG agaagacgac agaaggggga gcattagaca gtaaccctca aggagctaga 60
 gaaccggatg ggagacatga gcagtaatta actcacttgt tccccagagt ttctatttgt 120
 tttgattttc tttttctgtg acttattttc ctattttctt tcttccatgt aatttttact 180
 atggcccaac taatataaac acctggaaat tacaaggaaa aaaaattctt cctctaataa 240
 ctttccaaat ttgtggaata tttatttgta atagcagtta tcagttatgc ttatatagca 300
 ttaaaaaattc cctccttttg actacacaca caaccacagt gtggttctaa tcatggagat 360
 atcagtaatt tttagtaact gaa 383

<210> 1160
 <211> 398
 <212> DNA
 <213> Homo sapien

<400> 1160
 ggcacgagga acagagtcag caaaagtaga gcatgtggac cacgctgccc gcttctgggtg 60
 cctgaagcag acatcactaa tcgatcgttc ttctgaggat tgtctgttca tcccaggtgg 120
 tctagtctgc ctggatcaga tgctcttccc tgctgctgtt gggcaggcag ctcagccttt 180
 tggctccagc cagtgagtct caaccagggg cagttttgac ccgcagttgt caatgcctgg 240
 aaacacagtg atcacagctg gcttggggag agattgctct gggcatctgg agggtaaagg 300
 cccagatgct ctcaatgtcc tacagcgac gggatggccc ctcaactctc ccaaccacaca 360
 gcatccacag tgctgagatt gagaaatctg tgctaggc 398

<210> 1161
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 1161
 tacggctgcg agaagacgac agaagggggg agaagaggag caaggggtgac cttgggggcaa 60
 agggcgggcca ggagagagac tgtgccggca gagatgagtg tctcagtctc agggcttttc 120
 agagtacccg gcggggcccc tctttttctg attacttata cttcaagcac agagatgaga 180
 gtttgaaaga attactggag agggaaaatgg aaaaacaagc agtgctttta ggtatctaag 240
 tggacagttt taaaagtaca tttggaaaat gagaacgagg cagttcfaat atagctttct 300
 gcatgaactg tcattttctg gagactggcg aatagtacca atctctacaa atggcttaga 360
 ctaaagtagc agggatgtag gtgg 384

<210> 1162
 <211> 417
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(417)
 <223> n = A,T,C or G

<400> 1162
 cgttgctgtc gcaaggaact gaaggacatc tggcaatgta ctgagtgagg aactgaggcc 60
 cacagtccag cagtctccaa ggaatcaaat cccacaacag ccatgtgagt gagcatggaa 120
 gtagatcttc cccggtcaag cccccagaag gacccagccc tgcggacacc ttgaccgaaa 180
 cctgtgagag ctccggaaat agaggaacca gcattccctc tgggaatacat cagcactggt 240
 gcctttgagg ctggcctgct tgaatgcaca cctgagctcc ggattcacag gtaggtgtgt 300
 gacctttctt aacttctctg ggcctcagca tactcctttt tacagtggga ataacaatag 360
 cacctctcan cacaagttct ggaggggagtc gaaaaattgg cacaggcaag cactcca 417

<210> 1163
 <211> 403
 <212> DNA
 <213> Homo sapien

<400> 1163
 ggcacgagct ttcctggcca gacacagtgg tcagtcctgc aatcccaaca ctttggttgg 60
 ctaagggtggg aggatttctt gcggccaggg gttcaaggct gcagtgagct gtgatccacc 120
 actgcattcc aggctgggca tcagagtgag gcctctctct aaaaaaaaaa acccttcact 180
 cccccaaaaa agggatttgc aaataccagc ctttcagcat gaggatcaca tggaggaaca 240
 ttaagataca gatgctggga ccagcccta ttgattgaat tcaaaaactg agggggggcc 300
 tgatttagct ccatcattgg aatccattcc gaattgaaac tctctggggt tgacaagttc 360
 aagaaagacc taaagaaagc caaacactgg ggacctgaat gac 403

<210> 1164
 <211> 425
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(425)
 <223> n = A,T,C or G

```

<400> 1164
cgattcgaat tcggcacgag aaataatcag ctaatccaag aactgggtcc taaagcatac      60
acatgcacaa acacatacgt gcacacatac atatgaacac gtatatttct attcacaaac      120
caaacttgct tcaaccgcc a cctccatatt catgccatcg ggaagagctg ctatcagcag      180
cttcacctgt atgaatttca caaggcttca ctttcacccc agagaacatg tttctatact      240
catcctagca gaagaaatca gaacgtacag agaaccacaga tgtcactctt cagacttcaa      300
cgctcctgtc tccatcacag taaagtcccc tggcattctt ctctatagcc tgtttggggg      360
ggggntaaca gttccccaat tctctcctcc tgcattaccc cacaccacca aacaaccccc      420
acact                                         425

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<210> 1165
<211> 397
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

```

```

<400> 1165
ggcacgagaa ataatcagct aatccaagaa ctgggtccta aagcatacac atgcacaaac      60
acatacgtgc acacatacat atgaacacgt atattttctat tcacaaacca aacttgcttc      120
aaccgccacc tccatattca tgccatcggg aagagctgct atcagcagct tcacctgtat      180
gaatttcaca aggtttcact ttcaccccag agaacatgtt tctatactca tcctagcaga      240
agaaatcaga acgtacagag aaccacagatg tcaactcttca gacttcaacg ctccctgtctc      300
catcacagta aagtccccctg gcattcttct ctatagcctg tttgggtggg gttaacagtt      360
cccccaattct ctctcctgc attacccac accacn                                         397

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```

<210> 1166
<211> 384
<212> DNA
<213> Homo sapien

```

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<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

```

```

<400> 1166
ggcacgaggg ctacgcggg aggggagtaa aggggtggcg tccgggcctg gagttcagtg      60
ggtgcagcct gcttgcgagc tgaggccaga caggggggag cctacggagc gaaaagaaaa      120
gttgattaca aacgggacca tattttgctt cgaaatggaa ccagcagtta gcgagccaat      180
gagagaccaa gtcgcacgga ctcatctgac agaggacact cccaaagtga atgctgacat      240
agaaaagggtt aaccagaatc aggccaaagag atgcacagtg atcgggggct ctggattcct      300
ggngcagcac atggtggagc agttgctggc aagaggatat gctgtcaatg atttgatgc      360
agcaagggtt gatatcccca agtg                                         384

```

```

<210> 1167
<211> 385

```

<212> DNA
<213> Homo sapien

<400> 1167

ggcaccgagat gacttgcctt ttgttcctag ctctgtgcct ggctcagag gagagccttg	60
gtgcacgttt gactttttaa tctttatttg aacctgttac acaccgtcac cccactgct	120
ctgcttgcca cagacatgga aggttcacta aggccttaag gcactcatgc aagctcacia	180
gagaaagaaa tctgtaaggc atgtagaatt tggactcaat catgttggtc tttaatgtgc	240
ctagagcaat ggaatgggca ctttgggggc ggtggaattc aagacgctct ggctgaagat	300
tcagaagtat ctggttaactc tcttttcctt ctgggcatcc tctcctctgt tctaactctc	360
ccttacactc attcctgggc cattg	385

<210> 1168
<211> 433
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 1168

cggcacgagg ggcaactggag gcacgcctag aggaggctca gcggggggcag gcccgcctgg	60
tgcaggagca gcagacactg aaccggggccc tggaggagga agggaagcag cggcaggtgc	120
tccggcgagg caaggctgag ctggaggagc agaagcggtt gctggacagg actgtggacc	180
gactgaacaa ggagttggag aagatcgggg aggactctaa gcaagccctg cagcagctcc	240
aggcccagct ggaggattat aaggaaaagg cccggcgagg ggtggcagat gccagcgcc	300
aggccaagga ttgtgccagt gaggtgaga agacctcttg aggactgagc cgacttcagg	360
atgagatnca gaggtgcgag caggccctgc aggcattcca ggctgagcag gacacagccc	420
ggctggacat ata	433

<210> 1169
<211> 460
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 1169

cttttgcccg aagcggccta cggctgcgag aagacgacag aagggcaacc aagaagaagg	60
ggaatccgag gcggaggagg aaactgaggc agaaagtga tttgacctag aaatagaaat	120
ggaagcagag agagtggcca agaggaagtg tccggaccat gggcttgatt tgagtacct	180
ttgccaggaa gataggcagc tcatctgtgt cctgtgtcca gtcattgggg ctcaccaggg	240
ccaccaactc tccaccctag acgaagcctt tgaagaatta aggagcaaa actcaggtgg	300
actgaaggcc gctatgatcg aattggtgga aagggtgaag ttcaagagct cagaccctan	360
agtaactcgg gaccaaata agatgtttat acagcaggaa ttttaagaata gtcagaaagt	420
gattgctgat gaggagcaca cggcccttca tctatggaca	460

<210> 1170
 <211> 404
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

<400> 1170
 cccatcgatt cgaattcggc acgaggagag aagcaatata taaagaacgt tggccagatt 60
 atgtaagggga actgcgaaga aggtattctg caagtactgt agatgttata gaaatgatgg 120
 aggatgataa agttgatctg aatttgattg ttgccctcat ccgatacatt gttttggaag 180
 aagaggatgg tgcgatactg gtctttctgc caggctggga caatatcagc actttacatg 240
 atctcttgat gtcacaagta atgtttaaat cagataaatt ttttaattata cctttacatt 300
 cactgatgcc tacagttaac cagacacagg tgtttaaaag aacccctcct ggtgttcgga 360
 anatagtaat tgctaccaac attgcggaga ctagcattac cata 404

<210> 1171
 <211> 352
 <212> DNA
 <213> Homo sapien

<400> 1171
 tacggctgcg agaagacgac agaagggcat tcattatcag gaagtttttag ttatctgtca 60
 tttttttttt tcacatcagt ttgatcagga aagtgtataa cacatcttaa agcaagagtt 120
 agtttggtat taaatcctca ttagaacaac cacctgtttc actaataact taccctgat 180
 gagtctatct aaacatatgc attttaagcc ttcaaattac attatcaaca tgagagaaat 240
 caccaacaaa gaagatgttc aaaataatag tcccatatct gtaatcatat ctacatgcaa 300
 tgtagtaaat tctgaagttt tttaaattta tggctatatt tacacgatga tg 352

<210> 1172
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 1172
 tacggctgcg agaagacgac agaaggggcc taggctggtc tcaaactcct ggccctcaatt 60
 aatcctcctc ccttggcctc ccaaagtgtc gggattacag ggatgagcca ctgtacctgg 120
 cagccttgag cgatttctca cctcctcatt ggcccagttt ccttatctgt aaatgagagt 180
 agctgtaaaa tatggttaat gtgaggacca aacgggtcaa ttagggaaaa gcagtgtctc 240
 tgccagctaa ttttattatt attattattt ttttttttta ttttgagatg gagtcttact 300
 gtctcccagg ctggagtgcg ggggcgaaat ctcggctcac tgcaagctcc gcctcccagg 360
 gtcacgccat 370

<210> 1173
 <211> 360
 <212> DNA
 <213> Homo sapien

tacggctgcg	agaagacgac	agaagggaac	tgaggttctg	gaaatgtaat	ctacttttaa	60
gaatcaacca	cacctgtgcc	tcctccagaa	aatctttgta	gtgcatgact	cttaccaggc	120
gtatatgtag	aggaaaagggt	caaagaaaaa	catttccaaa	gatactgtga	aaaataaaaat	180
tgtattttat	catagaatta	taaaagggtat	aactggggaa	gtttaaacat	gggtagaaaa	240
atggaaaagaa	gaatgagacc	catgagacgg	taattcacat	gaatcattga	tgtgaaaata	300
tgtggatgat	attgaggggc	agacggacag	acaggttggc	aggtgctcct	ggagtctcat	360

<211> 364

<212> DNA

<213> Homo sapien

tacggctgcg	agaagacgac	agaaggggag	aagatgaatg	tagtaccctt	gagcacacag	60
cgtggtacac	cacaaatgct	caaccaacag	cagcgatgac	agtataggca	actaccacaa	120
gaaagaatth	gaacatgtcc	caattcgaat	tttgattcct	aatcaagatc	tagtgaatth	180
aacctaaagta	gcagaaaaga	agattaagag	tccctttcca	cagctttatt	aagtttttat	240
attcacctgg	atgttgtcaa	aagtgaactg	atcattcaag	agatagggga	catttggett	300
ccggtttgtg	tgagagctth	tctttcccca	tcagctcaac	agttagtccc	cagatctaga	360
gatg						364

<211> 379

<212> DNA

<213> Homo sapien

tacggctgcg	agaagacgac	agaaggggct	tatcctagag	aataactctg	tatgaataaa	60
attgcttaat	tgagtctctt	actaaataag	taactagtgc	catgcttttg	tgagctcttg	120
gtatggccca	tattaccttg	ttttttgttt	ttgttattgt	tggtttgtga	tagacttgct	180
ctgtcgccca	ggctgcagta	caatggcaca	atctcagctc	actgcaacct	cttgctcctg	240
ggttcaagca	attctcctgt	ctcagcctcc	tgggtagctg	ggactacagg	tgcatgccac	300
catgcctggc	taacttttgt	atttttaata	gagacagggg	tttcacacgt	ttgtcaggct	360
gggctcggac	ttctaactg					379

<211> 379

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$

<221> misc feature

$\langle 222 \rangle$ (1) ... (379)

<223> n = A, T, C or G

tacggctgcg	agaagacgac	agaagggcca	ggaccagact	gttctaagca	ttcacatata	60
taaactagtt	tctcaaaaa	cactgtgaga	tagatactac	tggatttcac	agattataag	120
atgtacattt	taacatctct	gagggctatg	tcttatgata	tggcaccata	caqtataaat	180

<211> 376
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature <222> (1)...(376)
 <223> n = A,T,C or G

<400> 1180
 tacggctgcg agaagacgac agaaggggcta tttaaaagtt tcatttttctt ttgcaatttt 60
 agtttttatgt actgttaaag aattgtactg aattcttttt agatcacagt aaaaataggt 120
 tggcagagat ttcagtttcc cagggccttaa ccagaaccgc cacctcaatg cattgtcagt 180
 agaatacatt attagaaact gttaaggtct tccccgggac attnttttct gccattttct 240
 tttgcaattg tagttttatg taccggtaaa gaattgtatt gaattctttt tagatcaaaa 300
 gaaaaatagg tcagcagaga ttcagtttcc caggcttacc agaaccgcca ctcatgcatg 360
 tcagaggatc attatn 376

<210> 1181
 <211> 345
 <212> DNA
 <213> Homo sapien

<400> 1181
 tacggctgcg agaagacgac agaagggggcc atactctatt ctttagaggt gagtctctaa 60
 gaccagccca cagtcaaaag gagggtaatt aagctctacc tcctatagga gggagtagct 120
 accttatttg gagttatatt aaaattatta tttatgataa ctatgaaata atagtagtatt 180
 gtactataca ataataccta gtaaggaaga tttgatagaa cttttttaat ctaacagatt 240
 tacaacagtc caatgtttga aaacaaacag caagactgta tggaaaacag gtacttccat 300
 attgctggta ggagttaaaa atggaataat ccttatagag gagaa 345

<210> 1182
 <211> 377
 <212> DNA
 <213> Homo sapien

<400> 1182
 tacggctgcg agaagacgac agaagggggct aatggagcct tcttattttg ccctttgtgg 60
 agtagacatg ggattathtt gcagtttttg gatagcgggg ttgtcaacat gtgttttcaa 120
 atatcacaac aaaagttttg gactttgagg tggcagggga agaaacttag taattgtttt 180
 tcttatttaa aaaaaatttt ttttcttttt tcttttttct ttttttttta ttctaagttc 240
 tcggatacat gtgcagaatg tgcaggtttg ttacataggt atacatgtgc catggtggtt 300
 atttaaaagt ttttgagac acagtcccac tctttcggcc aggtctggaat gcaggggcac 360
 aatcttgact cactgca 377

<210> 1183
 <211> 375
 <212> DNA
 <213> Homo sapien

<400> 1183
 tacggctgcg agaagacgac agaagggggg cataaattta gactttctga tgccaactag 60


```
<210> 1184
<211> 364
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(364)
<223> n = A,T,C or G
```

```
<210> 1185
<211> 364
<212> DNA
<213> Homo sapien
```

```
<210> 1186
<211> 351
<212> DNA
<213> Homo sapien
```

<400>	1186						
tacggctg	agaagacgac	agaagg	gcattctctcatga	aaacatttga	ttctgatcaa		60
agcactgatt	aggga	aaaaat	gttaccttga	aacaatttct	atcagtctta	gttctgtcct	120
ttataggagg	ttaactgaag	gattccataa	aaatggaggc	aaagaaattt	aacagatttg		180
gtcatgatac	ataggagcaa	aatctcacat	tttcaactgc	tgcattgtccg	cataaacaag		240
ccctctaaag	ataccttttt	tttttctttt	gagacaaggt	cttggtctgt	cqcccaaaact		300

gaagtacagg ggtaaaatca cagctcgctg caggcgcacc ctcccaagct a 351

<210> 1187
 <211> 338
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(338)
 <223> n = A,T,C or G

<400> 1187
 tacggctgcg agaagacgac agaaggggga aggtctacac ccttgtttcc ccaactgaaac 60
 attaaataaaa atatctgcag atatactaaa atgactttat atgagctctg aaaactagtc 120
 aaagatctgc agccaccaag tgaattccca ctgaaaaaag ccacagtcaa acggtgggaa 180
 attttgtggt gtttttactc accccacctc accccttcca ctgtggtgta gttgggagaa 240
 aatgtcctaa ttctagttt cctccctgga gctaggagga gaagagcaca acatactgcg 300
 aatgttctaa cttgtctgtg ggctttccac aggatggn 338

<210> 1188
 <211> 367
 <212> DNA
 <213> Homo sapien

<400> 1188
 tacggctgcg agaagacgac agaagggggt ccaactggtgt gtctctgggg gcaggctccc 60
 agatcacaga ctggttccac cgtgccccgt gacctcagcg tgccattaga tgggaggccg 120
 ttatttcagg ggaaaaatca tgtttgaaac taagtgggtc cccggcagtt tgcagcaaca 180
 ctggtctgctc aaaaggacag caccgaggctt ttcacagcat gtagatgcca tggctttatg 240
 agagctttga gcttgggagg gtctacttgt gcttttgcaa ccttagttta gatttcattt 300
 gcacttacta tttgtaagtg caccattttt ctacgggaag tatgtatgtg agaattatct 360
 acatgat 367

<210> 1189
 <211> 374
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(374)
 <223> n = A,T,C or G

<400> 1189
 tacggctgcg agaagacgac agaaggggcc agttaggaaa cagttaaagt tgaccagga 60
 ttaaatcaaaa tttggaata gggggaaatg ttctccacat ggacagcaag tcacccattt 120
 gtgcattgctt ttgccccagc tagacacatc tcccacatct ctactgctac cacctggtct 180
 aagctaccat catcttttcc ctggggccact gtaatatgct cccaagctat aaaatataaa 240
 agctctgcag gccattatct gcttactccc ctcatctact aactccagc catattgacc 300
 tttctttttg tttggttggg ttgggttggg tgagacggng cctcactctg tcatccaggc 360

tgaggtacag tggg

374

<210> 1190
<211> 361
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 1190
tacggctgcg agaagacgac agaagggact cttggacacg gtttccaatt tgtcagtttg 60
tcttcacctc tccacaacca cactttgttt ccagaaaaac aaatatacac tacgcctcct 120
ttggagtgtg gtttcggcca atctgttacc tcagtgttgc catcttcatt gccaaagcct 180
ccttttggga tgttggttg atctcagcca ggtctttatt tgtctgcttt ggatgctaca 240
catcagcagt tgacaccttc ccaggagctg gatgatctga tagattctca gaagaactta 300
gagacttcat cagccttcca gtctctcatc cagaaattga ctagccagaa ggaacagaaa 360
n 361

<210> 1191
<211> 363
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(363)
<223> n = A,T,C or G

<400> 1191
tacggctgcg agaagacgac agaaggggctc tgttggtcag atacagtatt ttgatgattt 60
caatcaataa ctctgcaagc cttgggtgta ttactgggtg ctttttctgt ctgctttccc 120
ccacccccgt cccacattt tatttgcttt ctcaaaagca tctgcacaca gatacacggg 180
tgacatcct cagaggcagg gtgactcagc cgaacagaac cctgcaacat gcaactggcaa 240
aagtgcacca cccagcgctg aacacccgac cttgtcattt acccacgggt gctagcacia 300
tcagtgtgct atgattgagg ggcggctctt ccccttgcca actaaacct ggngaaaatg 360
aac 363

<210> 1192
<211> 377
<212> DNA
<213> Homo sapien

<400> 1192
tacggctgcg agaagacgac agaaggggga cctcatgtgc gatacatcca aaagcctgac 60
aacagtcctt gctccattac tgactctgtc aaacgggtcc ccaaagagga ggccacagag 120
gggaatgcca ccagcccacc acagaaccca cccaccaacc tcaactgtggc caccgtggaa 180
gggtgcccc catctgtcat cttggactgg gaaaagccac taaatgacac tgtcactgaa 240
tatgaagtta tatccagaga aaatgggtca ttcagtggga agaacgagtc cattcaaag 300

```

acaaatcaga cattttccac agtagaaaat ctgaaaccaa acacgagtta tgaattccag 360
gtgaaaccca aaaaccg 377

```

```

<210> 1193
<211> 352
<212> DNA
<213> Homo sapien

```

```

<400> 1193
tcgattcgaa ttcggcacga ggcgtcatga gcgcagaggg caacctgcac aaccccgccc 60
tgttcgaggg ccggagccct gccgtgtggg agctggccga ggagtatctg gacatcgtgc 120
gggagcacc cttccccctg tctacgtcc gggccacact cttcaagctg tggcaccaca 180
cgctgcaggt gcaccaggag ctgcgagagg agctggccaa ggtgaagacc ctggagggca 240
tcgctgctgt gagccaggag ctgaagctgc ggtgtcagga ggagaaatcc agcaggaggg 300
agcgaagccc accgcgactt gcccttcact gatctgccag cctacttcgg cg 352

```

```

<210> 1194
<211> 440
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (440)
<223> n = A,T,C or G

```

```

<400> 1194
tacggctgcg agaagacgac agaaggggaag ggctggagat actggctttc catgggtact 60
ggtgtgatga cactgatctg aaggcaactgc aaagttttag attcttgagt gtacttgta 120
aataagacaa aacaaaagag agagaaaaaa attagaataa ggcagtaagt ttgtattgtt 180
ataatgaaac attgtaacac tctaggtatt atctctgcac tgacatagaa taaaaataaa 240
ctcataagat gaatcaaaaa atggaacaag agctgaagca ataatcatag tcttaaaagt 300
tggaagaga ctttntgccc aaccataaa tttcactgag cccctaaaaa agaggacata 360
attattagaa atgactccag attatacatn tgactcttgc tctngtctta tatttttgtg 420
gngtttaagc aagtctgtac 440

```

```

<210> 1195
<211> 440
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (440)
<223> n = A,T,C or G

```

```

<400> 1195
tacggctgcg agaagacgac agaaggggga ctacattaat aagacttccc atgcattgat 60
gctgaaacat ctgaacatgc tatttgatga catgaagaaa tggttcatcc tcttttttgc 120
ctgccagaac acttgacggg attaaaacca gcctggctgt ccctttctct tgaaggagga 180
tctcactccc ttaggaggtg atcgtgcctt cttctatat catatgcata catagntcct 240

```

```

attcctttgc tgtaatttta gaagccctct actttaaaaca actaagcttc tgagaggctc 300
ttcttaagct catttcctca cgagtttcaa gtgactaaga ggtctttaag cttgtagccc 360
tcgatgcagt caaggaatgc aagttgttct ttgaagcata taactgatat gccctgctgc 420
tgatgtctag gtatcttttn                                     440

```

```

<210> 1196
<211> 438
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

```

```

<400> 1196
tcgaattcgg cacgagagat actacattta gaactttggg gtccacgatt ctatttgggg 60
gtgaataggg cattagattt acagtttagga gacctagatt ctagacagat ttctcattaa 120
ctacatgtta cggacaacagt tatttaacct ttttgggtct cagtttcttt atatatcaaa 180
tgagatttca gctccattat aatactcttt gatcctcctt ctcacatgat atatcaattt 240
agctacctac ttatttcaaa ttactgttgg gcacttgccg ttagtgggat tcttaatcct 300
gatattcaga aaattgtgtt ggagtgtagc acatgtgttt gatttatgcc aagcattaat 360
tntgtgtatt gattacattt atgactttat ttcttcatgt gggattgttt tgaaactgct 420
gcgaatatgt tgactgtn                                     438

```

```

<210> 1197
<211> 625
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(625)
<223> n = A,T,C or G

```

```

<400> 1197
tacgtctgcg agaagacgac agaagggcct cccagtcgc tgggattaca ggcgcccacc 60
accatgtcca gctaattttt gttattttta gtagggatgg ggttttgcca tgttgccgg 120
tctggctctg aactcctggc ctcaggtgat ccacctgect caggctccca aagtgcctggg 180
attacaggag tgagccactg caccagcca cgctcctctt ttaaagacct ttatgattag 240
tgggcctacc caaatgatcc aagataatat ccctaactca tcagccttaa ttttttatct 300
tttatttttt tgagacaggg tcttgctttg tcaaacacgc tggagtgcac nggtgtgatc 360
ataactcact gcagctttga ctttcttggc tcaaatgacc gttcacctcc agcctccaag 420
gaacttggat actgatgggc atgaccacac ctgcgttttt gtttgttttg ttttgagaca 480
gagtcctact ctggtgccca gttgaaggca nggggccatc tcaagcactg aacttcccct 540
tccagtcaag tgatctctct ctacccttct agaggtggta tccgcccagc ctgcgccact 600
tatttttttc ttaaaaatgg gttcgc                                     625

```

```

<210> 1198
<211> 222
<212> DNA

```

<400> 1198

<210> 1199

<212> DNA

<213> Homo sapien

<400> 1199

<210> 1200

<211> 439

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle$ (1) ... (439)

<223> n = A, T, C or G

<400> 1200

tacggctgcg	agaagacgac	agaagggaat	cacagcattt	catggcattt	gactgataac	60
attcgaatag	gaggtaagta	actttgtatg	ttggaaagag	aaagaatcat	acagaaaaaa	120
agtcagggcc	ctgtgttcta	gttctggctc	tagagagtgt	tggctctaata	catttgagaa	180
ttggcactca	ccatgtgcca	ctggagaagg	cccttcttgt	ctgtggatgc	agattctcca	240
tttgtaggca	tcatctcacc	tgaatgtcta	ggctgctgct	caatgtgttg	gccccaaatg	300
ctgcactatc	acaaaactct	ccagttacat	tcagtgtgcc	acaaaataga	ccgatcctct	360
ctacacnacc	canatgtatg	attgatacta	agttgacaga	gtgttccata	ccaaacatgg	420
aatgaacatt	gganggttt					439

<210> 1201

$\langle 211 \rangle$ 432

<212> DNA

<213> Homo sapien

<400> 1201

tacggctgcg	agaagacgac	agaagggtgg	tgaactcca	cctctactaa	aaatacaaaa	60
attagcaggg	tgtggtggca	tgcacctgta	atcccagcta	ctcgggaggc	cagggcagga	120

```
<210> 1202
<211> 427
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G
```

```
<210> 1203
<211> 415
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(415)
<223> n = A,T,C or G
```

```
<210> 1204
<211> 388
<212> DNA
<213> Homo sapien
```

<400> 1204

tacggctgcg	agaagacgac	agaaggggaa	aagtaatggg	agatgaagct	ggaggtctaa	60
gttgacataa	gatataaaga	tgaagggctt	atacttcaga	ttgaaaatag	gattttatat	120
aaaccaataa	aaaggaacaa	tccacaaggt	ttttaattag	ggtagtgaca	taaccagggt	180
tatgtttggt	aacaactcag	caaaagacag	aatatggccc	agagtacaga	aaagtcagag	240
gcagattaat	tagctaagga	gattacttac	taccattctc	tagtcaagga	atgaactaaa	300
ctagcagcaa	tgtgcataac	aaaagatag	aactgagcgg	acttaggaat	taggaaggaa	360
aacaattcta	taggatttgg	tgataggg				388

<210> 1205

<211> 408

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(408)

<223> n = A,T,C or G

<400> 1205

atcccacga	ttcgaattcg	gcacgagcaa	ggctgcttcc	ccctgcagct	gcccagctgg	60
catctgatca	agctctgcct	gaacttcagt	acagccagca	gggtgctggg	ctcagaataa	120
atgcacaggg	tttgtcatgt	atgtgaaagg	cctgggtctag	tggccctgag	ggcgcctgga	180
ccagatgaat	gttggccaca	gagaagaaag	ggatcagccc	tgccctctgc	ctcactgcaa	240
tcatgattct	tggaccatt	ttccagatga	ggaaagttag	gctcaaagaa	gtgacttcac	300
atgccaggg	caccacggag	tggcagagct	gggatttgng	gcagtttgct	tggcccaaaa	360
gcctgctct	ccttccactc	tcttccattc	cacgccctcc	ttcctatt		408

<210> 1206

<211> 391

<212> DNA

<213> Homo sapien

<400> 1206

tacggctgcg	agaagacgac	agaaggggaa	ggacaggctg	tgttacacgt	agcactcaaa	60
tcttcgcttc	taattactct	cctgagattg	cttgtaactc	ctggcccttc	tgggattgag	120
gacttgctca	ttgtttgaat	cttggaacct	tattccttcg	gaattagaac	cataggtccc	180
catgggctga	tctcccatgt	ccattccctt	ctgctgtttg	cgcaggctca	agacaatcac	240
ctcttccctc	ctccacctc	ggtcttatct	gtgacctcct	actacctgaa	atttgtaaac	300
tattatatac	ttttgttaca	ggaactgggt	cctgctcaag	acccaagag	agggttcttg	360
gatctcggac	aagaaagaat	tcagggggag	t			391

<210> 1207

<211> 388

<212> DNA

<213> Homo sapien

<400> 1207

cgttgctgtc	caaaatgctg	cgattacagg	cgtgagccat	tgtgcctggg	cagagtgtctg	60
ttttttataa	ttggtgaaca	tacattgaca	catcattgtc	acctaaagtc	cttagagaat	120
gtacagctta	cttgtgtcat	gggtcagggg	atatcttagg	ttttctgaaa	gatgacactt	180

aatttgggaa	ggagattcca	gcccagaatc	atctctgctc	aaccttggtt	tcttcacatg	240
ttaatgctat	tctttggcca	tccttgggtc	ttgcctttgc	tttcagaaaa	tagcagccaa	300
ggtgtgaaca	agtagatggg	ccagcaaggg	tggagtgaac	tggtaccagt	tactggggcc	360
cagtgtactg	gatgagggat	ggccagt				388

<210> 1208
 <211> 388
 <212> DNA
 <213> Homo sapien

<400> 1208						
ggcacgagga	cacactcagg	gccagagccc	gggaggagt	atgtggggct	ctgatgagaa	60
ggtggactcc	cggcggctgc	catgggcact	gcgcttggtc	aagcgccctg	ctcttgccat	120
cccgaaattc	caaatcctcc	tgataatcct	ctcctcccc	ggtgttttgt	aagtgggtgc	180
ggagggcgctg	tggagtctgg	gctgaggagg	agcaagcatc	gggctccctg	ctgtccttgg	240
cctccccgtc	cctgtgctcc	aggcttgcaa	tggaccctac	gagtttcctg	gggctcccgt	300
aacaaatgac	cgcaaactta	gcagctaaaa	cgacacctgt	ctcctctctc	ccgtttctgg	360
agtcgggagt	ttgaggtgtc	tcaggctg				388

<210> 1209
 <211> 391
 <212> DNA
 <213> Homo sapien

<400> 1209						
tacggctgcg	agaagacgac	agaagggggc	ccttcaacaa	agggggcaca	tgcagatgag	60
actccgtcca	ccccaggcag	ctttcctgag	ccctggagga	caggcttgaa	atgactccta	120
ggcttctggt	gacccttgtc	acctatctac	tgtttaggaa	gactggaatg	ggacctgaga	180
tttcgaattg	ctctccaact	ccctgggtgat	gctgaggctg	ctgtgcatga	actacatttg	240
gagctgcaag	aatgcgtgac	ctatccaatc	cttccctctc	tggaaacacc	aactcatcca	300
tgcctctgt	gctgaaactt	cgtctcagcc	tgctggaatc	acctgcaccc	catgggaact	360
gtagccatat	cttcagtcct	gtgagcccc	g			391

<210> 1210
 <211> 393
 <212> DNA
 <213> Homo sapien

<400> 1210						
attcgaattc	ggcacgaggc	gcctcggacc	atctcagatg	ccgagcttct	ggctactctt	60
acgggggagg	gatcctgagt	caaaactatt	gaacttctcc	attcagaccg	ccactcacac	120
ctatgggaaa	aggggtgtcca	cgcagtcctt	ggtctcactt	gaagcagtc	ggagaaatat	180
catccctacc	ccaataatcc	ccagaaggaa	cttacacttt	tttttaatct	tttctacaa	240
cttcataatt	tataaataaa	aagacaaaaa	tgtcaggcct	gtgagctgaa	gcttaaccat	300
tgtaaccctt	gtgacctgca	catatgcgtc	caggtggcct	gcaggagcca	tgaagtctgg	360
agcagccgaa	taaccacaaa	gaagtgaaac	agt			393

<210> 1211
 <211> 388
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(350)
 <223> n = A,T,C or G

```

<400> 1214
tacggctgcg agaagacgac agaaggggta actaaattta actaaattaa atttatatatt 60
aatttaatta actggtgaga aagagcccat ttcatttcct tttaattgtg cctaatacaca 120
cctgtacatt catagcattt ctagtcttgg atgaatttat tttaaactgt caatgctcaa 180
agtctcaggc ctaggaaaag tcaggcagnt agccctatgt tggtttagct ttaggcgtca 240
cagttacagg gcagagctac tgaatggtan gcagagcatn ctttcaggag gatgtcatca 300
gcccgcacag tggcagtgac ctgcttcagc cttgtgcagc taccagcatc 350

```

<210> 1215
 <211> 357
 <212> DNA
 <213> Homo sapien

```

<400> 1215
tacggctgcg agaagacgac agaaggggaa aagtaatggg agatgaagct ggaggtctaa 60
gttgacataa gatataaaga tgaagggcct atacttcaga ttgaaaatag gattttatat 120
aaaccaataa aaaggaacaa tccacaaggt ttttaattag ggtagtgaca taaccagggt 180
tatgtttggt aacaactcag caaaagacag aatatggccc agagtacaga aaagtcagag 240
gcagattaat tagctaagga gattacttac taccattctc tagtcaagga atgaactaaa 300
ctagcagcaa tgtgcataac acaaagatag aactgagcgg acttaggaat tatgaag 357

```

<210> 1216
 <211> 372
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(372)
 <223> n = A,T,C or G

```

<400> 1216
ggcctacggc tgcgagaaga cgacagaagg gtcagcctcc cgagtagctg ggattacagg 60
caggtgccac cacaccggc tgatttttgt attttttgta gagatggggc ttcaccatgt 120
tgcccatgct ggcttactac tactgaccc cagcggagag cactactcaa cccacaaaat 180
ggctgatatc aacagaaatg agccgctgcg cacaaccaga caaactatct tctagaacag 240
gagtacaaa tgacactcct gccagcaaac taaaataaag tctgtctgcc aacatactac 300
tacaacggtt ggaattataa ttttttaaag cacgttcagg ctcggcctag ttgatcacac 360
ttgtaaaccc an 372

```

<210> 1217
 <211> 381
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(381)
 <223> n = A,T,C or G

<400> 1217
 tacggctgcg agaagacgac agaaggggta actaaattta actaaattaa atttatattt 60
 aatttaatta actggtgaga aagagcccat ttcatttcct ttttaattgtg cctaatacaca 120
 cctgtacatt catagcattt ctagtcttgg atgaatttat tttaaactgt caatgctcaa 180
 agtctcaggc ctaggaaaag tcaggcagtt agccctatgt tgttttagct ttaggcgtca 240
 cagttacagg caagagctac tgaatgttag gcagagcatc cttccaggag gatgtcatca 300
 gccgccacag tgcagctgac ctgcttcaag cctgtgcagc ctacaagcat cacaggcctc 360
 ttaccagact ctccttcaac n 381

<210> 1218
 <211> 375
 <212> DNA
 <213> Homo sapien

<400> 1218
 tacggctgcg agaagacgac agaaggggaa aaagatgggc ctgaagtcac cccagtatgc 60
 aatagctgat tatttgacaa agcatgtatc aaatagatga aaatatcaaa tagacgtgtg 120
 tgttaaatagt cctcaacttc cagtttagcc taggtgtata ttttaaggtag gagatgatga 180
 caatcatact catattcact ctttttagact tagaagtttt cttggagacc ctataattca 240
 acattcttgg tttttgtaag ggagaagact agttggacaa tgttagttac ttctctgaga 300
 tctcagagat ggtcagctcc tgggtgcctg tttagttcag gcattcccct gtgacaggat 360
 atgacagcac agtgg 375

<210> 1219
 <211> 381
 <212> DNA
 <213> Homo sapien

<400> 1219
 tacggctgcg agaagacgac agaaggggga gccaccgtgc ctggcctaca taaaggattt 60
 cattgaagat ttgcaaatgt ctgtgggctg ggctgcctca atttgaatcc tgggtccgcc 120
 gcttccctgc tgtgtggcct tgtgcagggt acacagtcct tctgtgcac agagtcttct 180
 gctgaaaaac ggagctgata aaaaaaagag agagagagaa acggagctga tgagaatgac 240
 tgttgectca gaaggctttt gtgggaatcc gtgggggtaa aaatgtgtaa ggtgcaaagt 300
 gccttacaca gatccactc tgactgtcat ctcagatgag gaaacagaag ttcagagaga 360
 tggccaggca tgggtggctca t 381

<210> 1220
 <211> 373
 <212> DNA
 <213> Homo sapien

<400> 1220
 tacggctgcg agaagacgac agaaggggaa aaagacagca ttgagctggg aagctcttca 60
 attctctgtg cttttccac attttgcgtg tgctcctgga aatacccacc tctgagatgg 120
 aactaaaca ccagctaca gagttcctta aaatcagcgg tctatactcc agagattgaa 180
 caccactggg actttcattc ttgctttcaa gaccaaggaa aatgcaactt gtccagctta 240

```
<210> 1221
<211> 356
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = A,T,C or G
```

```
<210> 1222
<211> 350
<212> DNA
<213> Homo sapien
```

```
<210> 1223
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G
```

<400> 1223						
ggcacgagag	tcaactcgggt	ttgcgtgacc	tgattcaaat	tttccatctt	tgtcactttg	60
attcccactc	tgagaagttt	tctcagtaca	tataacctta	ctatgtgatg	actggcctgg	120
gtattcatat	gtgcacttgt	tacctgttgc	ttatctcttg	ggggaccctt	ggttcagagg	180
ggtttaagca	ggtgtcctgg	tgagaccggg	gttataatca	gagactctca	gggttagagc	240
ttggccctgc	cactgagtg	ccttgggagt	ctcatttgac	ctctctgaac	cttggattcc	300

tcacttgtga aatggggaca ggttgagttc ctgcatggaa agtgtcttgc ttgatgtctc 360
gccccaaagac caaaactgcc gtn 383

<210> 1224
<211> 372
<212> DNA
<213> Homo sapien

<400> 1224
tacggctgcg agaagacgac agaaggccta tttaaaagtt tcattttctt ttgcaatttt 60
agttttatgt actgttaaag aattgtactg aattcttttt agatcacagt aaaaataggt 120
tggcagagat ttcagtttcc cagggttaa ccagaaccgc cacctcaatg cattgtcagt 180
agaatacatt attagaaact gttaaggctt tccccgggac atttttttct gccattttct 240
tttgcaattg tagttttatg taccgttaaa gaattgtatt gaattctttt tagatcaaag 300
taaaaatagg tcagcagaga tttcagtttc ccagggtta accagaaccg ccacctcaat 360
gcattgtcag ta 372

<210> 1225
<211> 364
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(364)
<223> n = A,T,C or G

<400> 1225
tacggctgcg agaagacgac agaaggggcc aacatcacat cattgactct tcctgagctt 60
atgaacaaat aaaaccgcag gtctccttca caagaagctg actgctaaat atggtctgcc 120
ctggtctgtg atttttaaat gagaatctat agttctggcc tgaatttcta tatttctcat 180
gagaggtttg tgattatcaa acacaccata gtatgaaatc atcagaatat ttaaaatgaa 240
gccctatgca agtatgaaat accttatcat ttaaatatat agactgtaca ctgacaggat 300
gtctctggca ttaaatgtct tttatgatta tcgntacatg ttttattgtt attggtacat 360
ggtg 364

<210> 1226
<211> 365
<212> DNA
<213> Homo sapien

<400> 1226
tacggctgcg agaagacgac agaaggggat ttattttgag atattttgatg tgtttcaaac 60
cgatttttaa tgatattggc tactgtgcaa aactaagaa aagttagtgc agccacacta 120
atattagaca ataagcctac ttaagacaa gaagcattat taaaagaata tttgatgatg 180
atacaagggt aaatccagag tgtaataata taatactaaa attgtgagga cttaacatat 240
ggaaaatagt taatgaaata aggagaaatc tacaaattca gaatccgatt agaaagttaa 300
gtatatcttg ggccccggcg tgtggttcac acctgtaatc tcagaacttt gggaggccga 360
ggagg 365

<210> 1227

<400> 1227

```
<210> 1228
<211> 361
<212> DNA
<213> Homo sapien
```

<400> 1228

```
<210> 1229
<211> 378
<212> DNA
<213> Homo sapien
```

<400> 1229

```
<210> 1230
<211> 385
<212> DNA
<213> Homo sapien
```

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle$ (1) ... (385)

<223> n = A, T, C or G

<400> 1230

tacggctgcg	agaagacgac	agaagggggtt	tgaggcaacc	ccacctgcag	tgggggctga	60
gaagatgcca	gtggaagcac	cagatcccag	aggcaccttg	taggggtgcc	tgtctcctgt	120
gcgctcaggg	cctgccactt	gaaatgaata	aataagctaa	tgaagtggga	gctttctgca	180
gcatagtcac	acggtcagcg	cttgggtgtgg	aggtcagggg	cctattgtgg	gctgccccca	240
ggaactgctc	gaacctctcc	tctcaatccc	tgtctttgca	gtgctcagtg	acctgtggaa	300
aaggctacaa	acaaaggctt	gtctcgtgca	gcgagattta	caccgggaag	gagaattatg	360
aatacagcta	ccaaaccacc	atcan				385

<210> 1231

<211> 352

<212> DNA

<213> Homo sapien

<400> 1231

tacggctgcg	agaagacgac	agaagggggtt	tgaggcaacc	ccacctgcag	tgggggctga	60
gaagatgcca	gtggaagcac	cagatcccag	aggcaccttg	taggggtgcc	tgtctcctgt	120
gcgctcaggg	cctgccactt	gaaatgaata	aataagctaa	tgaagtggga	gctttctgca	180
gcatagtcac	acggtcagcg	cttgggtgtgg	aggtcagggg	cctattgtgg	gctgccccca	240
ggaactgctc	gaacctctcc	tctcaatccc	tgtctttgca	gtgctcagtg	acctgtggaa	300
aaggctacaa	acaaaggctt	gtctcgtgca	gcgagattta	caccgggaag	gg	352

<210> 1232

<211> 371

<212> DNA

<213> Homo sapien

<400> 1232

tacggctgcg	agaagacgac	agaaggggaaa	acgggtgtgct	agaaccaagc	catctgttgc	60
caacaggaag	ggtattagca	ggtctgttat	gagttgctct	tccgttggtta	gtattgatgt	120
gctctgtaag	ttaacttgca	agaatccagg	agaacaagcc	agaaaggctc	acggagccca	180
tgctgccaga	catctgagcc	ctgctaaacc	tcagggtgcag	caggggacaga	ccatccctct	240
ccagggtgttc	caggaacatt	gcagaatggc	ctgatctctc	caactctgtg	tgggcccggg	300
ccagaccatg	agggtctctat	ggaggcagat	gggggttttg	gccctggacc	aaaacactca	360
tctgcttacc	t					371

<210> 1233

<211> 362

<212> DNA

<213> Homo sapien

<400> 1233

tacggctgcg	agaagacgac	agaaggggggc	tacttgtttct	tcttctccaa	cgcacccctt	60
ctcaactcgc	tgatggaacg	aggcaaggc	cggcctttct	atcaatggtc	ccgagctgtt	120
caaataccgaa	ccaacctgga	cctcgtcttg	gactggctac	agggagctgg	gctgggagac	180
attgccactg	agttcttccg	gaaactctcc	atggctgtga	acctgctctg	tgtgccccgc	240
acttccctgc	tcaaggcttc	atggagcagc	ctaagaaccg	accacccac	ctcgaccccc	300
gcccagctgc	accatctgct	cagccactat	cagctggggc	ctggccgcgg	gccgccagcc	360
gc						362

<210> 1234

<211> 359
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(359)
 <223> n = A,T,C or G

<400> 1234

tactgctgcg	agaagacgac	agaagggggcc	cccaaactcc	tccatcccaa	caggcccaga	60
gccactgata	atctcagcat	ttcctggccc	tctctgtctc	tttgcttctc	tctacctctg	120
ttttttctttc	catttatatt	cctcacctgc	ccttctctct	aacatgtagc	tgattcccta	180
aggcatcgctg	ttgcagtaga	aagacctgga	tgctggatcc	ttacagaccc	tggtttaaat	240
cctgactttt	acacttatca	tatcactgat	acctgttaaa	atctgtattt	atcacctctc	300
agagcctcag	tttcttcctc	tgaaagtggg	tatactagct	tgccctcattg	gatgacatn	359

<210> 1235
 <211> 368
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(368)
 <223> n = A,T,C or G

<400> 1235

cgttgctgtc	ggcgacggct	gctggggcgc	cacgagcagg	tggtggagcg	gctgctggaa	60
acgcaagacg	gtgccgagaa	gcagctgcga	gagatcctca	ccatggagaa	ggaagtggcc	120
cagagccttc	tcaatgcgaa	ggagcaggctg	caccagggag	gcgtggagct	gcagcagctg	180
gaagctgggc	ttcaggaggc	tggggaggag	gacaccgcgc	tgaaggccag	cctccttcag	240
ctcaccagag	agctggaaga	gctcaaggag	attgaggcgg	atctggagcg	acaggagaag	300
gaggtcgacg	aggacacgac	agtcacaatc	ccctcggccg	tctcctagag	tggcctcagc	360
taggtaan						368

<210> 1236
 <211> 374
 <212> DNA
 <213> Homo sapien

<400> 1236

ggcacgagca	gagactgtgg	agcaggaaga	gcttgctgtat	acagcagagg	gtgaagaaat	60
acccaagga	acctacctgg	cagatatacc	agccagcccc	tgtggagagc	ctgaggaaga	120
agtggggaag	gaagaggaag	aagagtctca	ctcagatgag	gacgatgacc	ggggtgagga	180
atgggaacgg	catgaagcgc	tgcatgagga	cgtgaccggg	caggagcgga	ccactgagca	240
gctctttgag	gaggagattg	agctcaagtg	ggagaagggg	ggctctggcc	tggtgtttta	300
tactgatgcc	cagctctggc	aggaggaaga	aggagatttt	gatgaacaga	cagccgatga	360
ctgggatgtg	gacg					374

<210> 1237

<211> 375
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(375)
 <223> n = A,T,C or G

<400> 1237
 tacggctgcg agaagacgac agaaggggaat ggctgatatt gatatacaag atgataaatg 60
 gcgagatttg aatgtgataa gcagtttact aaaatccttc ttcagaaaac tccctgagcc 120
 tctcttcaca aatgataaat atgctgattt tattgaagcc aatcgtaaag aagatcctct 180
 agatcgctctg aaaacattaa aaagactaat tcacgatttg cctgaacatc attatgaaac 240
 acttangttc ctttcagctc atctgaagac agtggcagaa aattcagaaa aaaataagat 300
 ggaaccagaa acctagcaat agtgttggtc cccccctttg tcgacatcag agacaacatg 360
 accacatggg ccccc 375

<210> 1238
 <211> 358
 <212> DNA
 <213> Homo sapien

<400> 1238
 tacggctgcg agaagacgac agaaggggaat ggctgatatt gatatacaag atgataaatg 60
 gcgagatttg aatgtgataa gcagtttact aaaatccttc ttcagaaaac tccctgagcc 120
 tctcttcaca aatgataaat atgctgattt tattgaagcc aatcgtaaag aagatcctct 180
 agatcgctctg aaaacattaa aaagactaat tcacgatttg cctgaacatc attatgaaac 240
 acttaagttc ctttcagctc atctgaagac agtggcagaa aattcagaaa aaaataagat 300
 ggaaccaaga aacctagcaa tagtgtttgg tcccaccctt gttcgaacat cagaagaa 358

<210> 1239
 <211> 342
 <212> DNA
 <213> Homo sapien

<400> 1239
 tacggctgcg agaagacgac agaaggggga caccctcatg taggttctac ctatgtttac 60
 ttgattaagt agaaaaaatt attagtttat tctgtagcca aaaataaaat ggtgaaatga 120
 ttgggatata ttattgaatg atatatataa tgaatgggat atatattaat gatatactta 180
 gataaaaaatg ttttaaaaaat tgagattttg tcttgaccag cttggcaaca tggcaaacc 240
 ctgttctatt aaaatacaaa aatagctggc aggtggcccg ggctgattcc cagtacttgg 300
 aggctggggg ggagaatact taatctggaa gcggaggtgc ag 342

<210> 1240
 <211> 346
 <212> DNA
 <213> Homo sapien

<400> 1240
 tacggctgcc agaagacgac agaaggggcc cccaaactcc tccatcccag caggcccaaa 60

```

gccactgata atctcaacat ttcttgccc tctctgtctc tttgcttctc tctacctctg 120
tttttctttc catttatatt cctcacctgc ccttcctctt aacatgtagc tgattcccta 180
aggcatcgtg ttgcagtata aagacctgga tgctggattc ttacagacc cgggtttaaat 240
cctgactttt acacttatca tatcactgat acctgttaaa atctgtattt atcacctctc 300
agagcctcag tttcttcac c tgaaagtggg tatactagct tgcctc 346

```

```

<210> 1241
<211> 342
<212> DNA
<213> Homo sapien

```

```

<400> 1241
tacggctgcg agaagacgac agaagggtac agagccataa ttccattaga cgaaaaacac 60
aaatagtcgt actttgtggc tttgcttata gtgggtgctga aacatactgt ttgacttatg 120
aatgattcct tttttaaaag cctggtcctt ttttaaaaaac agacagcaca gtcctagagc 180
aacaccttca cttttgagga ggaggttggt atcaagactc atcaggaatc ccatgtacag 240
gagagaacag aaaagtcata agcaaggacc acagaaagag acctaggcta gactatggaa 300
ctctccctga tgagcaactg tgtcaataac actatgaaga ag 342

```

```

<210> 1242
<211> 332
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

```

```

<400> 1242
gcctacggct gcgagaagac gacagaagggt tgaaataaaa agacactgga cagtgactca 60
aatccacatt attaaataaa acagcactgg taaagggtaca cataagtaaa tataaaaaaa 120
gactgtaaat atacatctat ataaacacat atatatgcac atatatacat atatatgtat 180
agtaaccctt ttcttctcct ctgtgacttn aaagacaacc acataaatag ataattatac 240
actgggtgtg gggctcaagc ctgtaatccc agcactttgn ngagccgatg canngcgatc 300
acaaggctcag gagatcaaac catnnctgct aa 332

```

```

<210> 1243
<211> 336
<212> DNA
<213> Homo sapien

```

```

<400> 1243
tacggctgcg agaagacgac agaagggtac accaactact gccctgaggc aagacaacat 60
gaaatctcac ctagattcct gctggagttt cctaagtggg atccttggtt ctgccccac 120
tcccttccac tctcctcggc ctgttttcaa acagcagatg cagtgatcgt gttaaactac 180
acattagatc atgtcactcc tctcctcaaa accctccaat ttctaccat cacattcaag 240
gaaattactg ttatgtatca cttactataa aatgaggatc acgataatac ctacttcata 300
gagttgttgt gaggatttaa aaagtcagta tatgtg 336

```

```

<210> 1244

```

<211> 632
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 1244

tactgctgcg	agaagacgac	agaaggggcg	gctgggggagc	ctgggggaccc	atttgagggtg	60
atcaggagat	gtgtaaggtc	aagtgactaa	tcctgtgatt	tctccaagat	cagatgcaca	120
ttccgtggaa	atagatgtgc	tcgatggcag	catcagaagg	gaatcgatgt	gcggggagct	180
aggattagat	gatgttaagc	tgaggatttt	atagtctgtt	tttcttgtag	gagagtcaac	240
aataggcccg	ggttgtttca	tcttcctgaa	taagcaagca	gggtgggtttc	agaaacagca	300
gccacggccc	aactgtgagt	gtgtgtatgt	gtgcttgtgt	tggggaaggt	gtgtgtgcac	360
atgtangtgg	atgtgcatgt	atgtatgtct	gtaagtctgg	tgtgaagggt	gtgcaaagt	420
gtgaacactt	atgctgtgac	tgtgtgcatg	tgtgtggccg	tgcgtgtgta	tatgctgtct	480
tgtgagtgg	tttgggtgtg	tgcatgaaca	tttgtatgtt	tacagggtga	catgtacatg	540
tgtgtgcaca	tgtgtatctc	agtgagtatg	tgtatgagca	tacatgtgtg	aagtgggtgtg	600
tttttgtgtg	ngtgggtgtaa	tatgcatggg	ag			632

<210> 1245
 <211> 470
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(470)
 <223> n = A,T,C or G

<400> 1245

ttggccgaag	cggcctacgg	ctgcgagaag	acgacagaag	ggggcacagt	ctaagaggag	60
agaagtggag	ggtgaagagg	aggggacagc	aactgatctc	tttatggcat	cttatacaga	120
gttggcacct	tggcaattag	gatatcgggg	accaaagct	gatgcaccac	tttaacaaga	180
tactttgtaa	atgtagggca	gggtggaggt	cagaaacaca	ggcaggactt	ccaaaggctg	240
ggggcactgt	ccctgtgagg	ctcaagtgc	aagggtgggag	acaggattgg	gtggaggcca	300
cagttcttcc	atgttgaaga	actctctagc	atcctgaaga	ctggctacct	agagaccaac	360
ccagcgatgc	tgtgctttct	tggtagactc	ctttgagaag	cagtcgttga	gagtccttgt	420
ggcagttgac	aactgngnac	tgggacatnt	ggggagttgg	tggtacactt		470

<210> 1246
 <211> 367
 <212> DNA
 <213> Homo sapien

<400> 1246

tacggctgcg	agaagacgac	agaaggggta	ctcagatagg	taaagaacaa	gtccagtgg	60
gctgacagca	atggaattta	aaacttgatt	ctaataatct	ctgagtcctg	aaggaatgcc	120
acgcagacat	ccgtttgagt	cacgagcttg	taactgagga	tttgacaaag	attgagtcct	180

cactgtgtgc	caggcaccat	gctaaat	gtgctaggca	cttgggatac	tctttcagac	240
aagactttgt	ccctgctcac	agagaaatct	gatagggttg	cctatagtca	ctcttttcta	300
aacttgacct	atctacctga	attaaccgaa	ggagctgggt	agaaatacag	attcctgggc	360
caagaag						367

<210> 1247

<211> 360

<212> DNA

<213> Homo sapien

<400> 1247

tacggctgcg	agaagacgac	agaaggggaa	taacaatgat	ttttttcttt	tgttttattt	60
ttatttttga	gacagagtct	cgctctgtcg	cccaggctag	agtgcagtgg	cgtgatgttg	120
gctcactgca	acctctgect	cctgggttca	agcaatcttc	ccacctcagc	ctcctgagta	180
gtcgagatta	caggtatagc	aattttcaga	gttctggaga	gtcttgggga	gagagtagat	240
gaatttgcac	aagaaagcaa	ggggatttct	gagaaggaag	gggccaagaa	tccaatctct	300
tcttccgtag	atctaaagtt	ttgaaaatct	gttgggggtg	cagtaaaaga	cactagtggg	360

<210> 1248

<211> 356

<212> DNA

<213> Homo sapien

<400> 1248

tacggctgcg	agaagacgac	agaaggggact	ctgtatcatt	tgggagatga	ggcagccatg	60
tcttttctct	gacctctagc	catgagagta	ggtgggaaaa	atgtaaagtg	tggtttaaag	120
aaatgtgaag	gccgggacgc	gtggctcaca	cctgtaatcc	cagcactttg	ggaggctgag	180
gcgggtggat	cacgaggtcg	ggagatggag	accatcctgg	ctaacacggg	gaaaccctat	240
ctctactaaa	agtacaaaaa	aattagccgg	gcgtgggtgg	gggcagctgc	agtcccagct	300
actggggagg	ctgaggcagg	agaatggcat	aaacccagga	ggctgagctt	gcagtg	356

<210> 1249

<211> 353

<212> DNA

<213> Homo sapien

<400> 1249

tacggctgcg	agaagacgac	agaaggggat	agcagcatga	gaatagacta	atacaaatcc	60
caatctacaa	aattggaacaa	ttccttttta	ttataccctc	tggtttgaac	agttacttgg	120
ttttgtctct	caccacacatt	gacttattct	tttggtaaac	acaggctctc	gaagtaactt	180
tttgttgcct	cggtttcagt	tattttggta	gatagctttg	aggctagtac	cctgagctga	240
cacagaccca	catctgagct	tggctagccc	ttaaggctca	accaggactc	cttcactttc	300
atttcaggta	tttacaataa	acaataat	taaaataaag	aagaaaatta	tat	353

<210> 1250

<211> 390

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<223> n = A, T, C or G

tacggctgcg	agaagacgac	agaaggggaa	agtagggtga	tacgcagact	caactttaag	60
tcttttgcca	tggtgctctt	aggttataat	aatgtaactt	caatttttga	aaggcaaaat	120
attttaccaa	gaccatgatt	taatccaggc	agtggaaaag	atgagcttat	tataagggtga	180
gctttgcggt	ggtgtcatgt	cctgggactg	tggtttttaag	tatatcttcg	ctttttctcc	240
aactcttaag	gcaggggtga	tgtgcaagct	ccaggaaaga	gatgaaatcg	gacgaattga	300
actagtccag	aagctggcaa	aagaaaacta	tcagtttttg	cagacggaca	aaaaagaaca	360
ggagaaqtct	gaacaccaag	atgatgaagn				390

<211> 351

<213> Homo sapien

tacggctgcg	agaagacgac	agaaggggta	taaattaccc	accctgagga	gattctttat	60
agtgtgagaa	ttgactaata	catcatccaa	ataggagagg	aagaccctcc	gtccaccttc	120
agcgatgaga	taattctata	cctagaaaaat	cctaccaagc	ctggcaccgt	aattctagaa	180
taaacaactt	tagtatagt	tccggataca	aatcaatgg	acagcaatta	ccaacatttc	240
tattggccaa	ccacatccaa	actgagagt	taatcaagaa	caacatccta	tccaacatac	300
agtatccact	tagaacatga	aatgcctgcg	aacacagatt	acagacaagg	g	351

<211> 365

<213> Homo sapien

tacggctgcg	agaagacgac	agaaggggac	tccattgagg	actagttgct	ctcctgcaca	60
tgatgacag	agtaaaatat	aattgacttg	tcagaaggta	tccggttggc	cccagaaggt	120
atagtatcat	ctcaggagat	caaggaaggt	atccttctgc	agtttggggg	atctgaagaa	180
aagctgagca	gatcagaaat	gaactcagca	gaattaacat	tagaaagaga	gaaacaagga	240
caccaagaag	caatttcacc	caggaaagca	ttcggttatg	aaatccaagc	tctctttaca	300
tgaagactca	gcctgcagac	agctccctac	acatgcaccc	cacaggggaag	gctgcttgtc	360
accag						365

<211> 353

<213> Homo sapien

<221> misc feature

<223> n = A,T,C or G

tacggctgcg aqaagacgac aqaaggggac acagagcctg tagacctgag tggatggaca 60

ctgcctctta	gaactagaac	ttagaacttt	atcttgaaaa	tgtaccactg	ttgcagaagc	120
tcctcacaga	gtatgtgtca	ggcattttta	acctgctaaa	ggcaagaaga	agtgttcacc	180
acatagttgc	aaaggtcttc	aacttgccac	agccaacaga	aaaatcaaaa	tgattgaacc	240
ctttggaatc	agtatattgg	tggccagcca	gtgtattcta	cacatgcttt	gaggaaatca	300
taaaagacag	gagactcata	gacattccat	catctcaaa	ggggtgagct	gtn	353

<210> 1254

<211> 393

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (393)

<223> n = A,T,C or G

<400> 1254

ggcacgaggc	ggcgccggcg	gtggctgccg	tggcggtga	gagtcagag	ccggacgttc	60
cggccgcttc	gggctggcg	ctggagagcg	ctcggtcat	gtctgccag	ggggactgcg	120
agttcctgg	gcagcgagcc	cgggagttgg	tgccgcaaga	cctgtgggca	gccaaggcgt	180
ggctgatcac	ggcccgcagc	ctctaccgg	cagacttta	catccagtat	gagatgtaca	240
ccatcgagcg	gaatgcagag	cggaccgcca	ccgcggggag	gctgctgtac	gacatgtttg	300
tgaatttccc	agaccagccg	gtggtgtgga	gagaaatcag	cattattaca	tcagcattaa	360
ggaacgattc	acaggacaaa	caaacccaat	ttn			393

<210> 1255

<211> 444

<212> DNA

<213> Homo sapien

<400> 1255

tacgcacgac	tctgcgatcc	ttttgcaaga	tcccatcgag	tcgaattcgg	cacgagggac	60
accctcctgg	ccaccaccat	cagtgcgctt	agcgagctga	ccccacagac	agactcgatg	120
cccacacagc	ttactctttt	gagcaacatg	gaataagagc	ttcaagcagt	tcccatcctg	180
ttagtctgcg	tgtgtggtag	ctgaactcaa	gatgatgtgg	ggctaagaaa	aataattgtc	240
catgtgcaaa	gatgtgggca	agaatggcct	ctgcagattt	tcctgaactt	ctgctaactt	300
gcacgggcttt	atcacagcat	ttttaaaagt	ttccctcaaa	aatcctgatc	tgcatgatct	360
cagctacttt	attgacaaaa	aggcagtgaa	cataacctca	cttaattctg	gtgtaagggtg	420
tatgtgtctaa	tcggtcta	tctt				444

<210> 1256

<211> 359

<212> DNA

<213> Homo sapien

<400> 1256

tacggctgcg	agaagacgac	agaagggcaa	aaacaaaacc	aaaacactct	taatagaata	60
gaaagaaaaa	aacactctta	atagaataga	aagaccatcc	actgagtgg	agaaaacatc	120
tgtgaattgt	tgtatacaaa	gtgtatata	aaatatataa	agaaggccag	gcacagtggc	180
tcacacctgt	aatcccagga	ttttgagagg	ctgaggtggg	tggatcacct	gaggtcagga	240
gttcgagacc	agtctggcca	acatggtgaa	accctatctc	tactaaaaat	acaaaaatta	300

cccaggcgtg gtgggggtgcg cctgtaatcc cagctactca gaaagctgag gcaggagag 359

<210> 1257
<211> 361
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 1257
tacggctgcg agaagacgac agaaggggac tgtgggctgg tgtgtggaac tggtagagag 60
ggtagggcaa gggagaagaa gtttcctgca atgggtggtga cttgggtggg aaggggaggg 120
atgggcctga aacttatttc tgggttgtgt ttgtgtttct ttgtctctag tgtgctacgg 180
ccaaatttag agtgaatcac tccaaggggt aactaatgtg gggagcctct tttggcatta 240
ggtatgaaga tggctgtaga tagttgtaga cagtgtggac tggggcctcg agactgggca 300
gagaggtgtc agctctttcc tctgagcaga ggatggctat aaaagtgaca gaggaggccg 360
n

<210> 1258
<211> 465
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 1258
cttttgccg aagcggccta cggctgcgag aagacgacag aaggggatag caggagcagt 60
agatctggaa gaagatccat tatttactga catttcacca gaaagcactt tgccaaacca 120
agagtggcct agttcttcac ctctgctac tccagaccac cccaaaaatg atggaaaaac 180
tgaagtcat aaaattgtaa atagttttct ctgtctggta ccggatgacg caaaatcctc 240
ctaccatgtt gagggcacag gatatgacac ttacctccga gacgctcata ggcagtcccg 300
agactactgt gctatctgct taagatggga gtggcctggg tctccaaaag cattggaaaa 360
gtgcaattta caagctgctt ttctttgagg tcattntttg aaagtgtctg tcgacagagt 420
gngnagaatt cntgatcagc catatgatgt aacttacaag aaccn 465

<210> 1259
<211> 356
<212> DNA
<213> Homo sapien

<400> 1259
tacggctgcg agaagacgac agaaggggta taaattaccc agtctgagga gattttttat 60
agtgtgagaa ttgactaata catcatccaa ataggagagg aagagactcc gtccaccttc 120
agcgatgaga taattctata cctagaaaat cctaccaagc ctggcaccgt aattctagaa 180
taaacaactt tagtctagtg tccggataca aaatcaatgg acaacaatta ccaacatttc 240

tataggccaa ccacatccaa gctgagagtg taatcaagag caaaatccta tccaacttac 300
 agtatccact tagaacatga aatgcctgcg aacacagatt acagacaagg tgaaag 356

<210> 1260
 <211> 350
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(350)
 <223> n = A,T,C or G

<400> 1260
 tactgctgcg agaagacgac agaagggcaa aaacaaaacc aaaacactct taatagaata 60
 gaaagaaaaa aacactctta atagaataga aagaccatcc actgagtng agaaaacatc 120
 tgtgaattgt tgtatacaaa gttgtataca aaatatataa agaaggccag gcacagtggc 180
 tcacacctgt aatcccagga ttttgagagg ctgaggtggg gggatcacct gaggtcagga 240
 gttcgagacc agtctggcca acatggggaa acctatctct actaaaatac aaaattacca 300
 agcgtgcnng gtgtcctgga atccagctac tagagctgag cagagatcgt 350

<210> 1261
 <211> 397
 <212> DNA
 <213> Homo sapien

<400> 1261
 ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
 gagagagaga gagagagaga gtgcgcgcgc gctctctcac tctctcgtgt gcacacactc 180
 tctctatata tatgtacaca cactatTTTT ttttgttctc tctctccctc tatatgtgtg 240
 tttttttata cacacacata tatatccctc tgtgttttct ctctctctct ctcaaagaca 300
 ctcttttttt ttttttttgc ccgcgcgatt ttttttctct agagagaaca cacactctca 360
 cgtgtttgtg tagagagtgt ctctcttata tacactc 397

<210> 1262
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 1262
 ggcacgaggg acaaccaa at gcacagtgat tggttcaact ctggacctgt gactcaagcc 60
 agaccaaggg agtgacatgc agggctttgc ctggaactat tctgaaaggg gcactctctt 120
 tctgctgggc tactgataat atgtgcatcc gtgatagagg agcctgcctg ataataaagc 180
 caataaggga agagcagagc caagagatgg tgggagagca gatgcctgaa aatatcattt 240
 gagccccctg gtccagctgc acctgaagcc accacgatct cctggacttt gcagttactt 300
 gagttcataa ataccctttg gcattaagcc agattgagtc ttaatgcata tagaaataag 360
 agaagtgaga aaagaaattg aaaa 384

<210> 1263
 <211> 361

<212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 1263
 tacggctgcg agaagacgac agaagggggc tgacgaagat ggcgactgag gcacagagtg 60
 aaggggaggt gccagcccgcc gaatccggcc ggagtgatgc catctgcagt tttgtgatct 120
 gcaatgattc ttcccttcga ggtcagccca ttatctttaa tcttgacttt tttgtggaga 180
 aactccgaca tgagaaacct gagattttca ctgagttggg ggtcagcaat atcacaaggc 240
 tcatcgattt acctgggact gaagttgctc agctgatggg gaagtgcct taagttgcct 300
 gcgggctgcc cagcatanga ttcttcggct tcatgctctc agcgaaggga aaagaggaat 360
 t 361

<210> 1264
 <211> 361
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 1264
 tacggctgcg agaagacgac agaagggggc aatttatctt tgaagacaaa gataaattcg 60
 agtcccccatt ttcaagagtc agtgagaagt aacagcttgt ttgtgtggca ctgattgatc 120
 cttgtccggg caagtggctc ctccacaggt tatccggctt ggcacacaac agacagaggt 180
 gctggcggac tgtggaacca gaccgctgt ggttcccctc ctcaccctgc cacttcctag 240
 ctgtgcatct tggacaactg attgaatctt gtgcctcatt tttctgtgga attgaaacaa 300
 taccctgacc cattggggcaa tggagatcan atggcattga tgcaggtaac atgcttaaca 360
 c 361

<210> 1265
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 1265
 tacggctgcg agaagacgac agaagggggg caggatatcc ttgctagact cagtagtgaa 60
 tcaacgatgt catcagatga aagaaagact tcagcaaata ctaaatttcc agaatgatct 120
 gaaagtgtg tttacatcac tggctgacaa caaatatc attctgcaa aactggcaaa 180
 tgtgtttgaa cagcccgtag cagaacaaat agaggcaata caacaggctg aagatggact 240
 caaagaattt gatgcaggaa tcattgaatt aaagaggcgt ggtgacaagc tacaggtcga 300
 gcagccgtcc atgcaagaac tctccaagct ccaggacatg tatgatgagc tgatgatgat 360
 cattggctcc ccgaggagtg gtctgag 387

<210> 1266

<211> 376
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(376)
 <223> n = A,T,C or G

<400> 1266
 tacggctgcg agaagacgac agaaaggggtg atacatctac aagtcaactc gttttattac 60
 gagtctagca aaaccttgat tcaaaaactt gtcgagggca gaaggacaaa agacattaca 120
 gcccagtatt tctcagggac acagatgcaa atatcctaag gaaaatatcg gggaacaata 180
 gaacaatgca taaaagagag aatatattac aaacaagggtg ggtntacccc aggaatgagc 240
 acttagtcta atattagaaa atcagaggat atagtttacc acattaaaag actaatggga 300
 aggaagtata ccagtaaccc tcaccagatg caggaacaag gatthttgata aaatctcata 360
 aacagccaac cttttt 376

<210> 1267
 <211> 379
 <212> DNA
 <213> Homo sapien

<400> 1267
 tactgttgcg agaagacgac agaagggggag agagcgaaaag agcaagaggg caagaggggcc 60
 tgaactctct ttcacaaagg ctacgaaaga agtatgcaca ggttaaggga aaaagtcaca 120
 atgaatcctg tagtacagac tactttatca aaagcagcta aaaaaagatc tcattaactc 180
 ccccaactca tctccacca catctaaaga gccacacaca gcaccacca aggagcaga 240
 acgagaacag cgttctcctc gacagaccag ctgtgagtat ccagacagac acccgacctc 300
 aacagctcca gacgagcccc agaacagccc ctccgtaacc accactcaag taaccagctg 360
 ggaaagtatt aagaaaacc 379

<210> 1268
 <211> 426
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(426)
 <223> n = A,T,C or G

<400> 1268
 tacggctgcg agaagacgac agaagggggga tgacatcatg gcagacagtg gaagagcatc 60
 tgcaatgcc aacactccta ccacagtat tgctgcatcc atttccaac ctgagactcc 120
 aactccaagg cctatcatct gtccttcagc catgcttcct atctaccctg ccattgatat 180
 tgatgcacag actgagagta atcatgacac ggcgctaaca ctgctctgtg ctggtggcca 240
 cgaggaactg gtacaaacac tgctagagag aggagctagt atagagcacc gagacaagag 300
 agggtttact ccatcctctc tggctgcaca gctggctcatg ctggagtgtg gaaatattgc 360
 tggacaatgg tgcagacatt ngagcccagt ctgaaagacc caggacacac actctgcttg 420
 cgtgtn 426

<210> 1269
 <211> 465
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(465)
 <223> n = A,T,C or G

<400> 1269

ttggccgaag	cggcctacgg	ctgcgagaag	acgacagaag	ggggcagaac	ctgttgagaa	60
aggggcatcc	acagacatct	gtgccttctg	ccacaagacc	gtgttcccc	gagagctggc	120
tgtggaggcc	atgaagaggc	agtaccatgc	ccagtgcctc	acgtgccgca	cctgccgccg	180
ccagctggct	gggcagagct	tctaccagaa	ggatgggcca	cccctctgcg	aaccttgcta	240
ccaggacaca	ctggagaggt	gcggcaagtg	tggcgagggt	gtccgggacc	acatcatcag	300
ggccctgggc	caggccttcc	accctcctg	cttcacgtgt	gtgacctgcg	cccggtgcat	360
tggggatgag	agctttgcc	tgggcagcca	gaacgagggt	actggctgga	cgactttaca	420
ggaattcgcc	ccgtctgcac	atctgtgaaa	tcccatcatc	ctcgn		465

<210> 1270
 <211> 432
 <212> DNA
 <213> Homo sapien

<400> 1270

tacggctgcg	agaagacgac	agaaggggaa	accaagaggg	tcggcagtgg	acgcgtacat	60
tttgtcacgg	agtccacaga	gctgagcttt	tgagcagact	ctgagaagta	tcattgcttg	120
tgttgaaaga	atacaacagg	atttaagttt	ctctttacaa	attgcactga	agaaaggccg	180
ggcgcggttg	ctccccctgt	aatcccagcg	ctttgggagg	ccgaggcggg	gggatcacga	240
agtcaagaga	tcgagaccat	cctgaccaac	atggcgaaac	cccgctcccta	ataaaaaaac	300
aaaaattagc	cgggcatggg	gacgtgcacc	tgtagtccca	gctactagat	atgctgaggc	360
aggagaattg	ctagaatccg	ggaggctgag	gttgacagtga	gccgagatcg	tgccactgga	420
cttcaacctg	cg					432

<210> 1271
 <211> 418
 <212> DNA
 <213> Homo sapien

<400> 1271

cgatgctgtc	gccacgcttt	agggtcagac	agacctgggt	caaatcccag	ccctgtgaag	60
taccagctgg	gcacccttgg	acaaattaca	tgacgtctct	aaacgctagg	ctcctgtcta	120
ctgcggctgc	accgtcgccc	ccctgtaaga	gtccccagcc	cactgagccc	ctgggtccaa	180
agctccaggc	tgcaccccat	ttccaggact	ttggaagggt	catgggtcac	tccccactgg	240
agaggcccca	gctgctgcc	tcttacacag	catcagcaat	gtttatgggc	cggcagaggc	300
atggggaagc	aaacgggtctg	caggccgtgt	ttggagaaaa	ggaagagctg	agttccaaag	360
gaatctccac	cacaggcatg	tttatagagt	ttgtaaataa	ttagaggccc	acgctctg	418

<210> 1272

<400> 1275

cacgaggcca	acatacataaa	ggcaggccca	atgccgaaac	acattgcatt	cataatggac	60
gggaaccgtc	gctatgccaa	gaagtgccag	gtggagcggc	aggaaggcca	ctcacagggc	120
ttcaacaagc	tagctgagac	tctgcggtgg	tgtttgaacc	tgggcaccc	agaggtgaca	180
gtctacgcat	tcagcattga	gaacttcaaa	cgctccaaga	gtgaggtaga	cgggcttatg	240
gatctggccc	ggcagaagtt	cagccgcttg	atggaagaaa	aggagaaact	gcagaagcat	300
ggggtgtgta	tccgggtcct	gggcgatctg	cacttggtgc	ccttggtatc	ccaggagctg	360
attgcacaag	ctgtacaggc	cacgaagaac				390

<210> 1276

<211> 386

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(386)

<223> n = A,T,C or G

<400> 1276

atccgatgct	gtcgctgagc	tgcaagggtca	catagctagt	aagggattgt	tctgggctga	60
agaaaaagga	tgcattggagg	ggagtatctt	gccccaggtc	acgttattag	taattagtgg	120
agtcagaatt	ccaatgcagg	ttccttccct	ccagctcttc	ttacctcaaa	aaacacactt	180
gcctggaccc	tcccctggag	atggatttaa	ttggcttggg	catggcgata	tttaaaactt	240
ccccaggcga	ttttaatgca	cagccagact	gagaaccact	gctttacccc	atttttggag	300
taaaaggaat	taccctcctt	aggaaatctg	gtcgctctat	gtggccattc	ctttatgtnc	360
ctgcccctcc	gtcacagaaa	cacacc				386

<210> 1277

<211> 379

<212> DNA

<213> Homo sapien

<400> 1277

tacggctgcg	agaagacgac	agaaggggaa	cagaaggctg	aggactgccc	aggtccagag	60
tcaccaagag	cttggtgtca	ggttttccct	tgctattcgc	agagattttt	tttaaaggca	120
ctattttag	tgttaaaagg	gtgaatttat	cagaaggcat	aataatcata	aatgtgtata	180
tgctaataa	tagaacttta	aaaggcatga	agcaacactc	aaaaggatta	aaggagatc	240
atctcacccc	cttcttacca	attgatagaa	tgatctgatg	aaaacagtaa	aataacaaca	300
gatctgaaca	ctgtcaacca	tcttgacaaa	tacttatgcc	tagtggtcca	ttattggaac	360
actacacatg	tggaatgag					379

<210> 1278

<211> 382

<212> DNA

<213> Homo sapien

<400> 1278

cgttgctgtc	ggattctcct	tctgcaccac	ttgattccca	cctgggacct	ccagcaagaa	60
gcagggtgggc	ttagagaact	tgctgtattt	cgggacactg	aacgtgtaga	tggttctggc	120
actgaggcag	tggtgctcgc	tggcagctgg	ctggagagtg	atctggactg	gctggccatg	180

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gggagtgact ggaaataggg tctgtttgga aaagaagcag agagtggcag agctgctgtg 240
gggactgggtt tcacacagcc atgacagagt ggggttggca gacatggaag ggcgttggtt 300
tttgtttttt tcagattttc tgcacgggat agggcttggg tgtgtcaccc aggccaaagt 360
gcagcggcgt gacacagttc ag 382

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<210> 1279
<211> 377
<212> DNA
<213> Homo sapien

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<400> 1279
ggcttgctgg gatcatggcg gggaatcact gcgagctcct gccgctggcc cgtggcaggc 60
tcggggcggg gttgggggtg cttcttgtgc ctcccttaaa gcgcggggct cagcgtcctg 120
gccagcgcc ccagcagcag gtccaagtgg gtccggctct acagcggcgg cacctacttc 180
ctcaccactg ggcagacgcc gctgtgtcag gacccgaaat ccttcctgta cctcttgagc 240
caggccgacc ccgacccgga ctgggacaag acggagtttt gttcttgttg cccaagctgg 300
agtacaatgg cacaatcttg gtcaccaca acctctgcca cctgggttca agcagagtctc 360
ctccttcagt ctctga 377

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<210> 1280
<211> 387
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1) ... (387)
<223> n = A,T,C or G

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<400> 1280
catcgattcg aattcggcac gaggcaggac tatgcgggca agtgctatgc ggggaagcag 60
atcaccggtg tgtccattct gcgcgcgggt gaaaccatgg agcccgcgt gcgcgctgtg 120
tgcaaagacg tgcgcacatcg caccatcctc atccagacca accagcttac cggggagccc 180
gagctccact acctgaggct gcccaaggac atcagcgtat accacgtgat cctcatggac 240
tgcaccgtgt ccacgggcgc ggcggccatg atggcagtgc gcgtgtcct ggaccacgac 300
gtgctgagg acaagatctt tttgctgtcg ctgctcatgg cagagatggg cgtgcactca 360
ctggcctatg catttgccgc agtgagn 387

```

```

<210> 1281
<211> 386
<212> DNA
<213> Homo sapien

```

```

<400> 1281
ttcgaattcg gcacgaggca ggactatgcg ggcaagtgct atgcggggaa gcagatcacc 60
ggtgtgtcca ttctgcgcgc cggtgaaacc atggagcccg cgctgcgcgc tgtgtgcaaa 120
gacgtgcgca tcggcaccat cctcatccag accaaccagc ttaccgggga gcccgagctc 180
cactacctga ggctgcccaa ggacatcagc gatgaccacg tgatcctcat ggactgcacc 240
gtgtccacgg gcgcggcgcc catgatggca gtgcgcgtgc tcctggacca cgacgtgcct 300
gaggacaaga tctttttgct gtgcgtgtct atggcagaga tgggcgtgca ctcagtggcc 360
tatgcatttc cgcgagttag aatcat 386

```

<210> 1282
 <211> 350
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(350)
 <223> n = A,T,C or G

<400> 1282
 tacggctgcg agaagacgac agaagggcta ctcaacatcg tgtggttctg ccaagtaaac 60
 cacaaaatgc aaagaatcca tgatgtgaga cctgtgtttc ccataaataa gagataaaaa 120
 taacatctag gctgggcctg gtggctcatg cttataatcc cagcactttg ggaggcagag 180
 gtgggcagat tgcttgaggt cgggagtttg agaccagcct ggccaacatg gtgaaacccc 240
 atctctacta aaaatacaaa aattagctag gtgtggtggt gcatgcctat aatcccagct 300
 acttgggagg ctgaggcaga agaatcgctt gagcctggaa ggtggaggtn 350

<210> 1283
 <211> 352
 <212> DNA
 <213> Homo sapien

<400> 1283
 tacggctgcg agaagacgac agaagggcta ctcaacatcg tgtggttctg ccaagtaaac 60
 cacaaaatgc aaagaatcca tgatgtgaga cctgtgtttc ccataaataa gagataaaaa 120
 taacatctag gctgggcctg gtggctcatg cttataatcc cagcactttg ggaggcagag 180
 gtgggcagat tgcttgaggt cgggagtttg agaccagcct ggccaacatg gtgaaacccc 240
 atctctacta aaaatacaaa aattagctag gtgtggtggt gcatgcctat aatcccagct 300
 acttgggagg ctgaggcaga agaatcgctt gagcctggaa ggtggagggt tc 352

<210> 1284
 <211> 352
 <212> DNA
 <213> Homo sapien

<400> 1284
 ggcacgagcc tgacctcact gtgacctga cttgattagt gccttctgcc ctccctggag 60
 cctccactgc ctctggaatt gctcaagttc attgatgacc ctctgaccct agctctttcc 120
 tttttttttt ttccccacg gaaagggggc ccccttttgt gcccaagggtg gggttaaaac 180
 ccgggcccta aaggaaccct cccccctaac ccttttaaagg ggtgggaata acgggggggaa 240
 cccccattcc tggcctggag ccaacttttt aatggccggt taatttaagc cccttgcccg 300
 aaatctgtgc tttgggcctc tccggccctg agaccgcctt ttgctggcca ag 352

<210> 1285
 <211> 314
 <212> DNA
 <213> Homo sapien

<220>

<400> 1285

<210> 1286

<212> DNA

 $\langle 220 \rangle$ $\langle 222 \rangle \quad (1) \dots (430)$

<223> n = A, T, C or G

<400> 1286

<210> 1287

<211> 380

<212> DNA

<213> Homo sapien

<400> 1287

<210> 1288

<211> 405

<212> DNA

<213> Homo sapien

<400> 1288

```

ggcacgagag tgagagagag agagagagtt agagagagag agagagagag agagagagag      60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag     120
agagagagag agagagagag agagtgtttc tctctcccc acaagactct ctgtgctctc      180
ttttctctcc cccccccaca ctctctctct cactgtgtga gagccccccc cccctctttc     240
tttctttttt ttcttagata aaaaactctc tctgtgtgag atctctcttt tgtccccccc     300
ccccgcctcg cgcgcgcgct ctcactccct tgttttgtgt agtgtgtgtt ctctctccct     360
ccacacacgc cccctttctc tctgttagtt ttctctctct ctctg                      405

```

<210> 1289

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 1289

```

tacggctgcg agaagacgac agaaggggaa caggaattta aagcacattg tcgagtaagt      60
gttgtttggt gtcagcaaat aaaccaggat ggtctcaatc tcctgacctt gtgatccacc     120
cgctcggcc tctcaaagtg cttggattac aggtgtgagc agctgtgccc ggccaagttt      180
tcggtaatc taattttcat ttaaaatttg acttattggc agcacgtgtc agttattttc     240
ctttaggttt tctttgagaa aatgtcaaat acctaaatct gaataatcat agtttggttg     300
tcagttcttt caaataaaaa tgattattca taaaaaaaag cggctagttc agcttacaga     360
tcagtggcgt ggtctcagct n                                              381

```

<210> 1290

<211> 371

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(371)

<223> n = A,T,C or G

<400> 1290

```

tacggctgcg agaagacgac agannnnngaa caggaattta aagcacattg tcgagtaagt      60
gttgtttggt gtcagcaaat aaaccaggat ggtctcaatc tcctgacctt gtgatccacc     120
cgctcggcc tctcaaagtg cttggattac aggtgtgagc agctgtgccc ggccaagttt      180
tcggtaatc taattttcat ttaaaatttg acttattggc agcacgtgtc agttattttc     240
ctttaggttt tctttgagaa aatgtcaaat acctaaatct gaataatcat agtttggttg     300
tcagttcttt caaataaaaa tgattattca taaaaaaaag cggctagttc agcttacaga     360
tcagtggcgt g                                              371

```

<210> 1291

<211> 377

<212> DNA

<213> Homo sapien

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(384)

<223> n = A,T,C or G

<400> 1294

ggcacgagaa	tcgcttgagc	ctgggagata	gaggttgagg	tgagtgaaga	tcacactgct	60
acactccagc	ctgggtgaga	gagtgagact	ctgtctcaaa	caacaacaac	aacaacaaca	120
acaaccacaa	aacaaacaaa	aaccctgat	tcctggagat	cctgattcca	taggtgtggg	180
ctctgcaagc	aattttatct	ggaattgaag	accactgggt	ttctgggaca	aaggttttga	240
aacagacagg	ggtccaaatt	ctggctctac	cacttattga	ggtgtataaa	tttgaggaag	300
ttactaaatg	ctctgaactt	cagtttctcc	tggaaaatgg	gataattatg	tctagcttgt	360
ggggctatnt	gtaggatgaa	atga				384

<210> 1295

<211> 394

<212> DNA

<213> Homo sapien

<400> 1295

tacggctgcg	agaagacgac	agaaggggat	gacaataaga	ttacaattag	actggggaga	60
gcacttaaaa	aaggagaata	cagagttaaa	gtataccagc	ttttgggtcaa	tgaacaagag	120
ccatgcaagt	ttctgctaga	tgctgtgttt	gctaaaggaa	tgactgtacg	gcaatcaaag	180
gaggaattaa	ttcctcagct	cagggagcaa	tgtgggttag	agctcagtat	tgacagggtt	240
cgtctaagga	aaaaaacatg	gaagaatcct	ggcactgtct	ttttggatta	tcatatttat	300
gaagaggata	ttaatatatt	cagcaactgg	gaggggtctac	ttgaagtctt	gatgggtaaa	360
gaagagagtc	catgtacagc	ttgcagtttg	Caaa			394

<210> 1296

<211> 337

<212> DNA

<213> Homo sapien

<400> 1296

tacggctgcg	agaagacgac	agaagggggg	ctgcttcata	agtctgactt	catatgacag	60
ctagattcaa	aaggatgaaa	tcagtagagg	tgagacctct	tgatgccttg	gcttggaagt	120
cacatattct	attggccaaa	gcaaatcaca	aggccaccac	aaattcaagg	agatgaagaa	180
atagactcta	cctctcttga	ttggcttata	atatggtcag	ttcttcagag	gaagaggaaa	240
atttcattctg	gcctcaaate	tcagtgatcg	catttgtggg	aacataatgt	ctgaagtaaa	300
gactaagtag	aagtctgaca	agcaaaaaaa	gaaaaag			337

<210> 1297

<211> 394

<212> DNA

<213> Homo sapien

<400> 1297

ggcacgagca	ctaaggaggc	cgattctttc	cggctcgagc	aggtccggac	ccgccccctt	60
ggcgtctagc	agtctcggag	gcctgcccgt	atagttcagg	gccggacagc	gagcggcgcc	120

```

gacttgccag taagggttgg ctccagcagc tgctgttgcc accaccacta gttcaagcac      180
catgcagttt acctcaatat caaattcttt gacctccact gctgctattg ggctctcatt      240
tacaacttca acgactacca ccgccacttt caccaccaac actactacca caatcaccag      300
tggttttact gtgaacaaaa accaactggt atcaagaggg tttgaaaacc ttgtacctta      360
tacttcaact gttagtgtag tagcaactcc tgtg                                394

```

```

<210> 1298
<211> 367
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G

```

```

<400> 1298
tacggctgcg agaagacgac agaaggggat ccccaggcta agccattggt tattctttgt      60
gagggtgttg tcttgggaga tatatgcata caatgtggtg ttgctataat gagtgtcgag      120
atttcaaccc tataagagcc atgggctctg gagaactgtg aactgggaca tttctaattgt      180
gatgaggatt gacaggttgt gtctgatacc atgtgctaac agcctgaaga tattgagaaa      240
aggactacac aaaatgaatg acaatggaca gtggtttgat acacggccct tgatagtgat      300
tttgaggnga aggcacacag tcagctattg agggatttgc agcatcacta taacaccacc      360
cctaccg                                367

```

```

<210> 1299
<211> 388
<212> DNA
<213> Homo sapien

```

```

<400> 1299
tacggctgcg agaagacgac agaaggggac agctgcttag taaaagcaac cccaggacac      60
aatcttactt ctccccaat tatgaaaaag agagctgtag gaacactgag agttgcagtt      120
ggagtttgca aacatttggg tcttattact actcagttca caaaaagtta atttctgaat      180
cagccctggc atccaataag ggtagggaaa tgcttccagg accagcagct gttgttgata      240
tgggctggag gacggactct tttactggat cattaaagta cttactatgt tcaagacaat      300
gggtctaagt gctgcaaata ttaacgtatt ttattctcat aacaactcat aaggccagca      360
ctattagcct cattttatgg ataaggaa                                388

```

```

<210> 1300
<211> 381
<212> DNA
<213> Homo sapien

```

```

<400> 1300
tacggctgcg agaagacgac agaaggggac agctgcttag taaaagcaac cccaggacac      60
aatcttactt ctccccaat tatgaaaaag agagctgtag gaacactgag agttgcagtt      120
ggagtttgca aacatttggg tcttattact actcagttca gaaaaagtta atttctgaat      180
cagccctggc atccaataag ggtagggaaa tgcttccagg accagcagct gttgttgata      240
tgggctggag gacggactct tttactggat cattaaagta cttactatgt tcaagacaat      300
gggtctaagt gctgcaaata ttaacgtatt ttattctcat aacaactcat aaggccagca      360

```

ctattagcct cattttatgg a

381

<210> 1301

<211> 406

<212> DNA

<213> Homo sapien

<400> 1301

```

ggcacgagcc agaagagctg cagtcctaca tccagaagct cagtatagca gtggagcagg      60
ctaagcagaa aatcctccaa gcggaagtca acctcgaggt ggatgtggta gacagcaagc      120
cagagacccc tgacctggag cagctggagc cgtctttgga agatgtggaa agcatgaatg      180
attttgatcc cttgttttca gaggaaacac ctggagtggga gaagccggtc accactgttc      240
agcccggtgt taacttggca gcatatcatc agctatttgt tgggacagaa agaattcgag      300
ctccagagat tattttccag ccatactctca taggagaaga acaggctggg attgcagaga      360
ctcttcagta cattctggac aggtacccaa aggacgttca ggaaat                      406

```

<210> 1302

<211> 378

<212> DNA

<213> Homo sapien

<400> 1302

```

ggcacgagac cagtgaagat gaggaagtct gggggccgag accacacagg ccgaatccgg      60
gtgcatggta ttggcggggg ccacaagcaa cgttatcgaa tgattgactt tctgcgtttc      120
cggcctgagg agaccaagtc aggacccttt gaggagaagg ttatccaagt ccgctatgat      180
ccctgtaggt cagcagacat agctctgggt gctgggggca gccggaaacg ctggatcatc      240
gccacagaaa acatgcaggc tggagataca atcttgaact ctaaccacat aagccgaatg      300
gcagttgctg ctcggaagg ggatgcgcac cctcttgggg ctctgcctgt ggggaccctc      360
atcaacaacg tggaaagg                                           378

```

<210> 1303

<211> 681

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(681)

<223> n = A,T,C or G

<400> 1303

```

ggcacgagac gagttccaaa attaaatcac taataaaaaa cacaccaacc aggaaagaaa      60
aaaaaaagcc ctggaccaga tggattcaca gctgaattct accaaatgta caaaagacag      120
ctggtaccaa tctactgaa accattccaa aaaatcaagg agaagggatt cctccctaac      180
tcattctacg aaaccagtat catcctgata caaaatctg gcaaagacac aacggggaaa      240
aaaaaaacaa acttaagggc caacatcctt gagggaaata gatgcaaaat tcctgaacaa      300
aatactacca aactgatttt aggaccacac caaaaggtta tttcagttgg atcaagtatg      360
ctttattccc ggaatgcaag gctggttccc catatgcaaa tcattgattg tgattcccca      420
attaaccgga tttaaaacca aaattcactt antcatatga tcttctcaat agacacagaa      480
ccagcttttg ataaaatcca ccatacctttt attttaaaaa cctctcaaaa acttgcctta      540
aaggaacata cctacaatta taagagcctn tttgaacaac ccattaacct tttgtgacag      600

```



```

gaaaaaaccc cccgggggttt tcctttgggg gggggggggccc ggaaaatttt tggggcccca 300
aaaagggggcc cccccccccc ggggggttttt tttttttggg ggcaaaaagg ggggggggggg 360
ggggggggggc ctttttttta tttttttg 388

```

```

<210> 1307
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

```

```

<400> 1307
atcgattcga attcggcagc agatcacctc cttcaaggac agagtgcctt cacctagggc 60
cagggggagg tgcagaagca cactgctagc caatttggtt caagaaaaat tcttggtagg 120
ctgctgccag cagaagtgtc gcctgttgag gcctgtcact gaatggtaaa gatctgtggc 180
caagaacccc aaagggccag attctaatac agatccatca ctgcttgctg tgagacctcg 240
ggcaagattc ttagcttctc tgtgtttcac tttcctcgtc tgcgaagtct gtatgcacag 300
caciaagtgg ttgggaagac tgggtgggatt ccggcagggg tggagctctg cagactgaga 360
cactcagttg gctgttacta gtgggggctg ccactctctaa n 401

```

```

<210> 1308
<211> 396
<212> DNA
<213> Homo sapien

```

```

<400> 1308
tacggctgcg agaagacgac agaagggagc ctggccaaca tagtgaaacc ccactctctac 60
taaaaacaca aaattagcca ggcttggttg tgcgcacctg taatcccagc tactggggag 120
gctgaggcaa gagaatcact tgaacctagg aggcagaggt tgcagtgagc ctagatcgtg 180
ccactgcact ccagcctggg ctggacagag caagactcca tctctgaaaa ataaaataaa 240
ataaaaataaa acaaaaaaac agaatagaag aagatagcta agaaccacag tgggtcaagcc 300
agcctggctt caacagagat gaatggagag accacgggtc gccccattaa cagaagaact 360
ggggccagga acggtggctc atgcctataa tcccag 396

```

```

<210> 1309
<211> 439
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

```

```

<400> 1309
ggcacgagga ggactcggaa gtcttcaaga tgctgcagga aaatcgcgag ggacggggcgg 60
ccccccgaca gtccagctcc tttcggctct tgcaggaagc cctggaggct gaggagagag 120
gtggcacgcc agccttcttg ccagctcac tgagccccc gtcctccctg cccgcctcca 180

```


<223> n = A,T,C or G

<400> 1312

attcgaattc	ggcacgagcc	cagctggagt	atgtcatctg	cgactcccag	agctctgtgg	60
tccttgccag	ccaggagtag	ctggagctcc	tgagcccgg	ggtcaggaag	ctgggggtcc	120
cgctgctgcc	gctcacacca	gccatctaca	ctggagcagt	agaggaaccg	gcagagggtcc	180
cggtcccaga	gcagggatgg	aggaacaagg	gcgccatgat	catctacacc	agtgggacca	240
cggggagggc	caaggcgctg	ctgagcacgc	accacaacat	cagggctgtg	gtgaccgggc	300
tgggccacac	gtgggcatgg	accanagacg	acgtgatcct	ccacgtgctc	ccgctgcacc	360
acgtccatgg	tgtgggtcaac	gcgctgctct	tgccttctct	gggg		404

<210> 1313

<211> 431

<212> DNA

<213> Homo sapien

<400> 1313

ggcacgaggt	tgggtgtggg	tggcgggggg	cctgggtggg	gtccactgag	tcgcctcccc	60
tgtctgcctg	cacttcctcc	tggaggaaat	ggggacaaca	ggatgaagtg	agggcctgct	120
gagcccaggg	ctgccacctg	ggagtgaagc	cggggcaggc	tgcagggtcc	gggcccttct	180
gtgtgggcag	gtggaagtgg	tggggatgca	gtgaggctcc	ccccagcacc	aagctgcccc	240
tgagcctgga	cctgccccagc	ccccggccct	tcgctttgcc	tctgggcagc	cctcgaatcc	300
ccctcccggc	gcagcagagc	tcggaggccc	gtgtcatccg	cgtcagcacc	gacaatgacc	360
acgggaacct	gtatcgaagc	atcttgctga	ccagtcagga	caaagcctcc	agcgtgggtcc	420
ggcgagcctt	g					431

<210> 1314

<211> 367

<212> DNA

<213> Homo sapien

<400> 1314

tacggttgctg	agaagacgac	agaagggtat	gaagtatatg	ggaggatgtg	caaagggtgat	60
gtgcaaatac	tatgtcattt	tatatcaggg	acttgagtat	cctttgttac	cctcaggaga	120
tcttgaaacc	agtcctccat	ggatactgag	ggctgactgt	atagtcctat	cctcacggaa	180
ctttcattct	aatgggggaa	gactgactat	aaacaaaata	tatgtttatac	gtgggtggtga	240
gtaccgtgga	gaagtaacaa	atggggcaaa	gtgagttata	cagctccatt	cttagaaacc	300
ttggagtact	tttcttagtt	tatactcgtg	gtgggttgct	tttgtctcct	ttattacatg	360
ggactct						367

<210> 1315

<211> 375

<212> DNA

<213> Homo sapien

<400> 1315

cgttgctgtc	gattcaatgg	gttgcagctg	tgacaagagc	aacaacaaaa	atattgtgctg	60
tctttctttt	ttttaataat	ggcacaaaaa	ggcaaaacca	tagatacagt	aaacggatgt	120
gtggttgcca	gtgtttggcg	gggagagggg	tcaataagtg	agcacagggg	gttttttagg	180
gtgaagaaat	gtgggtatat	gactgtgcat	tggttgatat	ccattaaact	taatagcaca	240
aaaagtgaac	cttaatgcat	gcaaagttaa	aaaaatcact	taggacattt	agataattcc	300

aaaatgtcat gcagaatatg acaaacatct tcaccgtatt acaaatgtgt gaaatgacct 360
catgaagagg ataga 375

<210> 1316
<211> 360
<212> DNA
<213> Homo sapien

<400> 1316
tactgctggg agaagacgac agaaggggag gacgcagtgt cacttccatg gcggtcccag 60
aaaaaaatgc ctgacctgaa ccgataccta ataaacatca gaagaacca aattggggta 120
tgtttctgcaa aataactggc ccatagtctt caaaaatgtt acggttaaagg aaggatgaaga 180
aaggctgaga agttggttca gattaaagga agctaataag agtggccaat gcagcttggtg 240
gtcaccagtt tggttctgga ccacgcagct catggcaaga aagatattat ttggataact 300
ggtggaattt aatatgaact gtggggctgg gagtgggtggc tcacatctgc aatcccagcg 360

<210> 1317
<211> 335
<212> DNA
<213> Homo sapien

<400> 1317
tacggctgcg agaagacgac agaagggaaa cactacatca ctgcctactc caagccctag 60
ctccagtacg ggaagtgaac catgacagga aatttaacat ctacaggaaa agtagaaaca 120
caattcttct aaaggtttat ataactccaa ctaaggctcat ctctttcttg ccattaactt 180
cctgaacgcc tgtaatccag cactttggag gccgaggcgg ctgatacaga ggcaggaatc 240
gagacatccc gctaaacgtg aaacctgctc tctacaatac aaaactagcc ggctaagggc 300
ggcgctgtag ccaactactt gaagctgagc agaga 335

<210> 1318
<211> 361
<212> DNA
<213> Homo sapien

<400> 1318
ggcacgagga cctgctgtgt gaccctggcc agtctctgcc cctctctggg cctcagtctt 60
cctcatctca aacatgagaa aggacaaaat cctggactgg ggtgatggta aaggatgtag 120
cctgaatgtg tgtggtcttc tgggccttgg gaccccatgt ttgtccatca cttggaacct 180
cacgtgtggc tggttcctga aaaacctgcc cttcctccag aactctccgt ggctcgtctg 240
tgccctgcct gcctatggaa ttgggaaaag caacctgact gctatggagt tcctgggtctg 300
tctgctcatg gccccatcct gggggcaggg cctcggttgt ggaccctccc ctaacttggg 360
g 361

<210> 1319
<211> 364
<212> DNA
<213> Homo sapien

<400> 1319
tacggctgcg agaagacgac agaagggagg cactgatttt ttttattggg taagttccat 60
caaataattcc agggaaaaat aactctgata ttgtaactcc aggccctcct tttttttttt 120

```

ttgaaaagga atttcctttt tggaaccccg ctctggcgga aaggggcccaa ttttggttaa 180
atggaaattt tgccttcggg gttaaagggg ttctcccgcc caaacccccc aaaaacggaa 240
aaaccagaga cctccaaaga cagatgggca aataatggca atatgccaac gtcgggttct 300
taatcttggc aaaggtatcg cggccacata agatgactac attagtgaaa atggatttag 360
gctg 382

```

```

<210> 1320
<211> 382
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

```

```

<400> 1320
cgttgctgtc ggcttctggg ctccctctaa agcctaccct gcgcccaggt ctccatgctt 60
gaggccaagg gctacaggga ccttagggaa ggggatccgt ctccagcagc cctggccctg 120
tctccccag actcaggccc cgagaagcgg aaggtggcct accagcacgt gcctgtgccc 180
gggagccctg gggagtccta cttggtgctg gcgctggagg tggcactgct ggggctgggg 240
cagcagcggg ccctgccgga ggggctgtac gcccaggaca aggtggtgcg caacgaggag 300
cagctgctgg ccctgctgga ggaggtggag ttggatgagc ggttggtgca ggtgctgcgc 360
aagcaggcgg ngctgctgct gg 382

```

```

<210> 1321
<211> 439
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

```

```

<400> 1321
ttcgaattcg gcacgaggat ttttttgcatt ttcttttacac tgagtgtaaa actctacaaa 60
gagttatagt atttactact ttgaggtttc cctcacaact tctggctcca tacctagccc 120
ctcttttata atcttcctta aaagaaagag tgtagcctat aaatactaaa tatgatacct 180
tttctttcta gaaagtgttt atttatatat ctatacatgt tgtatgtaca aatatacctac 240
tacttttaat ctgatttttc ttcaggatta ttgagtaggt tgtgaatttt ctttctttaa 300
aattgtaaaa cataatggga cccaagtitt aaacttagat gtgcttcac ttagtgaaat 360
ttaattcaca aggaatcata cattgtgtnn ttgaggctgc gcgcagtgc tcacacctgt 420
atcccagcaa tttgggagg 439

```

```

<210> 1322
<211> 396
<212> DNA
<213> Homo sapien

```

```

<400> 1322

```

```

cggttgctgtc ggctccctgg aggtgaagga gggacgtccc aaggaagggt ctttgagaaa      60
ggggtagggg acgacatcag gagaaggctc ccaggaactg tctcagggga gcgaagggtt      120
tgaggggaca gctgggggtct ccagtatata taccacggtg caggctgagg gaggtacttc      180
ttggcacaag gcctcggaaa gttcaggagc cctggaaagg agaaggaata agacggcagg      240
aggaagagag agagagggtg gaatggaaga atctcacttc aattctaacc cagacttctg      300
gcctttctatc cccacagtct caggtcagat cgagaacaca atgttcatca acaagatgaa      360
ggatcagctg ttgccagaga agggctgtgg tctggc      396

```

```

<210> 1323
<211> 389
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

```

```

<400> 1323
aattcggcac gagccaccgc ggcgcttttc tcccttagat gccttttatg aacaagattt      60
tactagaaga catcactatt actggattct tcatgaaaga gcaactggctg atatttatat      120
cgggctatta gctgagtggg agtctgcctg gtcgcaattg cttctatagt tgattgaatg      180
ctcttaacac ggagagatgc cctgtacaga cttttgggga actgggtact gatgaaccgc      240
aacaggagtt gcttctgggt ttaattctgc tactactggg gcatgattta cagctaaacc      300
agagaggagt ctgcaatgcc gagtggaaga aggaggaaac cggagtgtga gccagantcg      360
ggtgggcagc atggcttggg tcancaact      389

```

```

<210> 1324
<211> 372
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

```

```

<400> 1324
tacggctgcg agaagactac nnannnaagc acggaaacag gagcccgagc cataaatgta      60
aatacccagc agaactggat tgcgccgtgg ggaaggctcc tcaggataaa ccctttgagg      120
aagaagaaac taaagagatg cccaagctgc agtgtgaact ctgtgatgga gacaaagcag      180
tgggggctgg aaaccaagga aggccccacc gacatcttac ttctcggcca tatgcctgcg      240
agctctgctg caagcagttc cagagccctt ccacactcaa aatgcacatg agatgtcaca      300
ccggggagaa gccataccag tgcaagacct gcggacgggt cttttcgggtg caaggaaact      360
tacagaaaca tg      372

```

```

<210> 1325
<211> 386
<212> DNA
<213> Homo sapien

```

<400> 1325

gatcccatcg	attcgaaaaa	aacagcgctc	agacccatat	gtaaaggcct	atttgctacc	60
agacaaaggc	aaaatgggca	agaagaaaac	actcgtagtg	aagaaaacct	tgaatcctgt	120
gtataacgaa	atactgcggt	ataaaattga	aaaacaaatc	ttaaagacac	agaaattgaa	180
cctgtccatt	tggcatcggt	atacatttaa	gcgcaatagt	ttcctagggg	aggtggaact	240
tgatttgga	acatgggact	gggataacaa	acagaataaa	caattgagat	ggtaccctct	300
gaagcggaag	acagcaccag	ttgcccttga	agcagaaaac	agaggtgaaa	tgaaactagc	360
tcttcagtat	gtgccagagc	aagccc				386

<210> 1326

<211> 378

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (378)

<223> n = A,T,C or G

<400> 1326

tgggcacgag	gagagaacta	gtctcgagac	tagttctctc	cggggccgaa	ggagtgccaa	60
cgacgagctc	ttccgggcgg	gctccagact	caggcgacag	ctggccaagc	tggccatcat	120
cttcagccac	atgcacgcag	agctgcacgc	actcttcccc	gggggaaagt	actgtggaca	180
catgtaccag	ctcaccaagg	ccccgcacca	caccttcttg	agggaaagt	gcggagcccg	240
gtgtgtgctg	ccctgggctg	agtttgagtc	cctcctgggc	acctgccacc	cttgtgaacc	300
aggctgcaca	gcctgggctt	tgcgcaccac	attgacctca	ctgcagacat	nentnngcac	360
aacctgtcc	aagtgtcc					378

<210> 1327

<211> 387

<212> DNA

<213> Homo sapien

<400> 1327

tccaattcgg	cacgaggaga	gaactagtct	cgagactagt	tctctccggg	gccgaaggag	60
tgccaacgac	gagctcttcc	gggcgggctc	cagactcagg	cgacagctgg	ccaagctggc	120
catcatcttc	agccacatgc	acgcagagct	gcacgcactc	ttccccgggg	gaaagtactg	180
tggacacatg	taccagctca	ccaaggcccc	cgccacaccc	ttctggaggg	aaagttgcgg	240
agcccgggtg	gtgctgccct	gggctgagtt	tgagtccttc	ctgggcacct	gccaccctgt	300
ggaaccaggc	tgcacagccc	tggccttgcg	caccaccatt	gacctcacct	gcagaccatc	360
cctgcccaaca	aacctctgtc	ccagggtg				387

<210> 1328

<211> 391

<212> DNA

<213> Homo sapien

<400> 1328

cgttgtgtgc	gctttcagtc	acccttcagg	gcagtgaagc	cccctctggc	aaaaagcaag	60
tccagagatg	tcatccaaga	acctaaggcc	tagactcagg	gaccccaaga	gggtctctta	120
tttgttgcct	tacccactg	tggccaagg	ggtagcaagt	gcaaggcagg	ctgggcgcag	180

```

tgtctcatgc ctgtaatccc agcacttttg gaggctgagg cgggcagatc acttgaggcc 240
aggagttaga gaccagcctg gccaacatgg cgaaaccctg tctctactaa aaataaaaaa 300
aattaggccg ggagcgggtg ctcactcctg taatcccaac actttgggag gccaaagtgt 360
acggatcatg aggtcaggag tttgagatca g 391

```

```

<210> 1329
<211> 358
<212> DNA
<213> Homo sapien

```

```

<400> 1329
cgttgctgtc ggaagcgatg tgctcactgt gtgagcaagt tctactgttc ctacagggct 60
ggaatggtag aagactcttg aagcttaact cattccccac aaggcatgca attttttccc 120
cagtatttta ttgactgggt tgatggttca ggcttcagggt ctgtagggga gtgcatagga 180
agtgattgtg gccaaaacat gtgagtaaat gcaacaccca atgggtgagca aagggtcccat 240
ccttgacaga ggtggctgga ggagctctca gtgagttgca tctgagatttt tttttttttt 300
ttttaaaaca aagttgggtt tttgtgcccc aggcgtgaat acaagtgtt aatctccg 358

```

```

<210> 1330
<211> 380
<212> DNA
<213> Homo sapien

```

```

<400> 1330
cgttgctgtc gctttcagtc acccttcatg gcagttagct cccctctggc aaaaagcaag 60
tccagagatg tcatccaaga acctaaaggcc tagactcagg gacccaaga ggggtctcta 120
tttgttgctt taccctactg tggccaagggt ggtagcaagt gcaaggcagg ctgggcgcag 180
tgtctcatgc ctgtaatccc agcacttttg gaggctgagg cgggcagatc acttgaggcc 240
aggagttaga gaccagcctg gccaacatgg cgaaaccctg tctctactaa aaataaaaaa 300
aattaggccg ggagcgggtg ctcactcctg taatcccaac actttgggag gccaaagtgt 360
acggatcatg aggtcaggag 380

```

```

<210> 1331
<211> 372
<212> DNA
<213> Homo sapien

```

```

<400> 1331
tacggctgcg agaagacgac agaagggggc attcggaggg aagctgacat ccacgccaaag 60
tcgagacttc cagggatgtg gccgggggag agtcacatgc ttagcttttc atgagcacag 120
gcatcagtcg ggcagatgtt tgtcgactgg aatggcgcca aatcttaaag gcagaccacg 180
caaaaagaaa ccatgcccac aaagaagaga ttcattcagt ggtgttaagg attccaacaa 240
caattccgat ggcaaagccg ttgccaagggt gaaatgtgag gccaggtcag ccttgaccaa 300
gccgaagaat aaccataact gtaaaaaagt ctcaaatgaa gaaaaaccaa aggttgccat 360
tgggtgaagag tg 372

```

```

<210> 1332
<211> 367
<212> DNA
<213> Homo sapien

```

<220>
 <221> misc_feature
 <222> (1)...(367)
 <223> n = A,T,C or G

<400> 1332
 tacggctgcg agaagacnac naaagggatc ctctggggca cttagaggac tctaattgaga 60
 cccaatgttg tgtactgaac tattcctgac ttgtgaaatt catcttttat cccctacttt 120
 aacttttttt tttttgaaac aggggtctaatt tttgttcccc aggctaaagg gttatagtta 180
 actacagtgtt ccacctggcc ccaaaaaaaaa ctccccctc agtctttcag gtagttaaaa 240
 ccacaaaccc agcccatcac cctcagttaa ttaaccaatt ttattttttg taaaacctaa 300
 attttttttac gaaccccgagg ctgatttaaa actctggggc taaggcaatc ttttaaccct 360
 ggcctttt 367

<210> 1333
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 1333
 ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagaggga 120
 gagccccccc tctgtgtctc tcacacctct cccccccctt ggggggatct tttatgtgtg 180
 tgtgtgtgta tatgtctctc tctgctgctc cgctctcttt ttatacgcgt ggctcttctc 240
 tgttttatat cgcgcacaca cacactctcc tctagaaaaa cacacacact ctctcttctc 300
 tctctgtctc tctcatatat atacacaccc tctcttgtgt gtgtctccac tcacacactc 360
 tcttttctcg agatatatat cttctctcct cttttt 396

<210> 1334
 <211> 373
 <212> DNA
 <213> Homo sapien

<400> 1334
 ggcacgagggc cacctgcaag accgttctcc aagtgcctt ggactgaccc acttctcccc 60
 acttctcact aggtgacaga gagaacagcc ttgctatctg gtcaggagaa tgacaacctta 120
 ttggaaaaag atctgtgtgg ttacaaggag tatggcaciaa ggttgctaac tggctcggac 180
 actaacatgt cacctgtgga tgctgggaat accatagcca ccttttacgg aaacttatat 240
 tatgtttttg gataccctgt aaaactttgc tctgacaagg aacctccttt actgccccag 300
 gaacatgaca gcaggcacac tcattggaata gcctgggctc tgcattgcacc cttgtatgct 360
 tcagtccagt gag 373

<210> 1335
 <211> 386
 <212> DNA
 <213> Homo sapien

<400> 1335
 ggcacgagcc caggaggaac cccctggcca gagcagggcc cctgtgttga ccgtgggtgtc 60
 caagttcaag gcctcactgg agcagcttct gcaggctcta cacagcacca cgccccacta 120
 cattcgtctgc atcaagccca acagccaggg ccaggcgcag acctttctcc aaggaggagt 180


```

cctgagccag ctggaggcct gtggcctcgt ggagaccatc catatcagtg ctgctggcctt 240
ccccatccgg gtctctcacc gaaactttgt agaacgatac aagttactaa gaaggcttca 300
tccttgacaca tcctctggcc ccgacagccc atatcctgcc aaagggctcc ctgaatggtg 360
tccacacagc gaggaagcca cgcttg 386

```

```

<210> 1336
<211> 424
<212> DNA
<213> Homo sapien

```

```

<400> 1336
atgcacctta gaagacactt caaatgccgc tactggatga ttccgccgga tcccatcgat 60
tccaacatca ctgccactc tggccccatc actagcatcg ctttctctga gaatgggtac 120
tacctggcta cagcggctga tgactcctct gtcaagctct gggatctgcg caagcttaag 180
aactttaaga ctttgcagct ggataacaac tttgaggtaa agtcactgat ctttgaccag 240
agtggtagct acctggctct tgggggcacg gatgtccaga tctacatctg caaacaatgg 300
acggagattc ttcactttac agagcatagc ggcctgacca caggggtggc cttcgggcat 360
cacgccaaagt tcctcgcttc aacaggcatg gacagaagcc tcaagttcta caggcctgag 420
ggcc 484

```

```

<210> 1337
<211> 372
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

```

```

<400> 1337
ttgcggcacg tcgagtgcgc cctgtccggc ggcgtggaca gcgccgtggc cgcgctgctg 60
ctgaggcggga gaggttaccg ggtgacaggg gtgtttatga agaactggga ctactggat 120
gaacatgggg tctgtactgc cgacaaaagc tgtgaagatg cttacagagt ttgccagatc 180
ttagacatcc ctttccatca agtgccttac gtaaaggagt attggaatga tgtgttcagt 240
gactttttga atgagtatga aaaaggaagg actcccaatc ctgacatagt ttgcaacaag 300
cacaatcaaa ttaggtgctt ttttcattat gctgcggata atcttggggc agatgccatt 360
gccacaggtc an 372

```

```

<210> 1338
<211> 223
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(223)
<223> n = A,T,C or G

```

```

<400> 1338
ggcacagggc aagacagacc tgangaaaga caaggagcag ctgcggaagc tcgggccgcc 60

```

```

cagctggagc ccatcaccta catgcagggc ctgagcgcct gcgaacagat ccgagctgct 120
ctctacctgg aatgttccgc caagtctcgg gagaatgtgg aggacgtctt ccgggaggcc 180
gccaaaggtgg ctctcagcgc tctgaagaag gcgcaacggc aga 223

```

```

<210> 1339
<211> 312
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

```

```

<400> 1339
tacggctgcg agaagacgac agaagggggt cacaaaggta ttgacttttg gtcagaagtt 60
ccagggggcg agaagaatga actaactcca tgcattcttt ttgtgntttt ggttttggtt 120
tttttgagac ggagcttcct cttttgccca gctggagtgc ggggctcaat ctcgctcact 180
gcagctccgc ctcccaggtc acgccttctt ctgctcaggc ttcgagagct ggactacagg 240
gcccaccaca cgccagctaa tttttgattt ttagagagac gcgtttctcg ggtagcaaga 300
tggtctgact cc 312

```

```

<210> 1340
<211> 361
<212> DNA
<213> Homo sapien

```

```

<400> 1340
tacggctgcg agaagacgac agaagggagc atctagtaca ttctgatcta tttatagaat 60
gaagatttca aattcagatc aaataattga gaaagccttt cacaaaaagg gattgaaggc 120
cacaaacagg tcatatgcta tgaacattct ctgagttggt tactatatag tattcaatat 180
atctttattg aacttctatt atgttctagg ttcttaacaa aatactagct aactgaatcc 240
aacaacatat caaaaagata atccaccata atcaggtggg tttcacacca gggatgcagg 300
gatggtttta catacgccag tcaataaatg taatacacca cataaacaga atcaaaaaca 360
a 361

```

```

<210> 1341
<211> 395
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

```

```

<400> 1341
ggcacgagga agagagaggc agtggcagag ggggggcacc ttttatttct atttttaaag 60
ggacaggaca ctaattctac ccacttcaa ccttgaattc aggggggtgg ggggagggn 120
nttnnnntn ttnntcana ttcaaaaatt gattcctaaa aaaactttcc tgttccgtgt 180
gggaaacatg ttgctacaaa gattgaagaa aaacatcatg cttttttagt acctatttct 240

```

```

ccccctaac ttcccccggt gattgatttc aacttctccc tggcggagac ctttcaactt      300
gaaaacctcc tactcttttt gtgtaacaac ctataatgtt ctttaacacc taaacagtgg      360
cggcctcttc ttttcttaga atactacaaa gtggg                      395

```

```

<210> 1342
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

```

```

<400> 1342
ggcacgagggc tcggcctgca aggctgttgt ttcaagaaat gaaaatgaag ggcgccctgg      60
aatagggttcg ccgaagagag agcttgcagg cctctgggaa gcaagccatc gtgtggcaga      120
ggcccaggtg gcaaggaacc aagggcggct tctggccaac agccagcgag gacctgagac      180
cgtagcccaa caccctccca ggaactgaat tttgccagca accagtgagt gaccttggaa      240
gtggatcctt cccccgaaag cccggctttc agacggagggc tgggtgggacc tcaaccccag      300
cttgtatcca ggctcttgac accatctgga gaaggaattc aagagtgtgt cagaaaaatga      360
tgaaagtaca nagatttatt g                      381

```

```

<210> 1343
<211> 413
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

```

```

<400> 1343
tacggctgcg agaagacgac agcaggggaga aacagaaact tggctctcca gcccttatac      60
agcctgggca caagagcgac actctgtctc aaaacaaaca aacaaacatt taaaaagcgt      120
ctttggattt aaacctcat ctgttttcta tttcatttat tctttggttt ggtttgagac      180
agagtcttgc tctgtcacc aggctggagt gcagnggcat gatctcagct cacttggcct      240
ccaaatgctg ggatacaggt tgaaccaccg tgcccagcct atttatttat tcctaaatat      300
gtagatgtgc aggggcaggg ctcacacctg aatcccacac ttgggaggca ggcaggcgat      360
aacgagccag gagacgaaac atcggactac atggtgaacc ttgctttcta aag                      413

```

```

<210> 1344
<211> 386
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

```

<400> 1344

tacggctgcg	agaagacgac	agcaggggaga	aacagaaact	tggtcttcca	gcccccttatc	60
agcctgggca	caagagcgac	actctgtctc	aaaacaaaca	aacaaacatt	taaaaagcgt	120
ctttggattt	aaaccctcat	ctgttttcta	tttcatttat	tctttgtttt	gttttgagac	180
agagtctntc	tctgtcacca	ggctggagtg	cagnggcattg	atctcagctc	acttggcctc	240
ccaaaatggc	tggaattaca	ggtgngancc	accnnnccca	ncctatttc	atttattctt	300
aaattatggg	agaagcgcca	ggtgctttgc	tcacacctgt	attcccagca	tttggaatag	360
aaaagggggg	ggattcgtgg	ccaggg				386

<210> 1345

<211> 410

<212> DNA

<213> Homo sapien

<400> 1345

gagcccagct	agtagcttgg	togaaccttt	gtacgttgcg	gcctacgtct	gcgagaagac	60
gacagtggg	acagagtaaa	caaacactcc	acagaatgga	agaacatttt	cataaactat	120
gtacctgaca	aaggtctatt	atccagcatc	tgagagcgtc	ttaaacaat	tcacacgaaa	180
aaaaacatta	aaaagtgtgc	aaaggacatg	aacactttta	aagaagacat	acatgtgacc	240
aacaagcata	taagaaaaac	tcaacatcag	tgatcattgg	agaaatgcga	atcaaaacca	300
cagttagata	ccatcccgcga	ccattccgta	tggctattac	taaaaagtca	aaaacatagc	360
agatgttgtg	aggatgcgaa	aaaagggatg	cttatatgca	gttgataggg		410

<210> 1346

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 1346

ggcacgagga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	120
ccccctctctc	tctctgtggg	gggggcgcg	ggcgcccccc	cccccgggg	ggagacactc	180
cgcccccgcg	cttggggaga	gaaatatatg	aggggtgggg	cgcgtttata	aagagggggg	240
ggcgcggtgtg	tatacacaga	acacacgcgc	tctctcgcg	gggggggggc	gccccacac	300
acccgtgtct	ctttttntg	tgggggtcc	ctggaggggc	cccaaacac	gcgacacacc	360
tgtgtgtggg	gtgcggaggg	t				381

<210> 1347

<211> 372

<212> DNA

<213> Homo sapien

<400> 1347

tacggctgcg	agaagacgac	agaagggatc	ctctttggca	ctcagaggac	tctaataaaa	60
cccaatgttg	tgtactgaac	tattcctgac	ttgtgaaatt	catcttttat	cccctacttt	120


```

ggaggaatct aagtaatcct cataaaatta aataattaaa tcaaaggccc catttccaac 180
tccttttttg attaaagaaa ataatttata aatgaatagc ttctataata tgaatccatc 240
tttataaaaa gtaattcatt ggccgggtgt ggtgggtcac gcacggcctg taatcccagc 300
actttgggag gccaaagcag gcgaatcacg aggtcaagag atagagacta tcctggccac 360
atggtgaacc acgtctctac tanaatacaa atttaacttg gctaattggc tgcgcctgaa 420
ccccaactac ttgggaggct gaagangana atcgcttgaa ctctggagca aggttgcagt 480
gagtcaaaat cttgcaactga actcagnctt gggacaaacg agactccttt caaaaaaaaa 540
aaaaaaaaag cggggccggg gctccccctt atcccccttt tggaggcaag gggggaccca 600
aaacagaaa gaccccccta ttggaggtaa cc 632

```

<210> 1351

<211> 609

<212> DNA

<213> Homo sapien

<400> 1351

```

tacttttgcg atatagacga cagaagggtta cggctgcgag aatacgacag aagggttaaag 60
acagaaagt acagagttgt ggggaaaaca tccactcttt taatagagag gactcagttt 120
tcttaagtaa tgaaagacct gataaaacac aagatcaagt acaggaaatt attttgataa 180
aacacaaaat ctttcttttg cagattactt aaaagggtgaa gaaaaacctt ttataatttt 240
tttctttacg tcttctcttc cctcctcctc ctctctgctc cctccctcta ttactttcct 300
tttcttttta ctttcttttc cctctcttta tcttctcttc tttctttcct tggttttttt 360
gggcaaaagcc atctcttttt gatcccgata cgggggagaag gcaacaattt gggatccctg 420
accctcttgc ttacgaatta aaacattttt ctgctaaaat ccaaaaaatt ggccggcacag 480
ggggggcccc tgaatcccaa ttctctgagg ctgggagaaga aatggatgac ccgtagcgg 540
ggttgcaaga cccaattgtc ctgcctccac ctgggacgag gggatcccc caaaaaaaaa 600
aaaaaaaaac 609

```

<210> 1352

<211> 456

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(456)

<223> n = A,T,C or G

<400> 1352

```

gaattcggca cgaggagcgg cagggaatttc ggccccaggc atctagttaa attattggtt 60
tattattatt actatcatca tcatcgatc cattattatt gctgtaacaa tcagactaaa 120
taaagccagg gcctagccag ccaaccccc ccaacgtttt tatttcattc tcttctctat 180
taataacaac cacaactaat gcctgttaat taattcccc ttcagccagg gctgcttgga 240
agctaatttt ggttaaatca gcagaggcta atggtaataa taataaaggg attgggtcag 300
cctgggtcaat tgaactctgg ttctccctgg aaggacctgc tgctttgcag acccatgtgt 360
atttccagaa accaatcgga actcagggtt acactgattc ccttttgaga taaatctgtg 420
ccatgaagaa ggggattatg tgaggaggga cttttt 456

```

<210> 1353

<211> 402

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(402)

<223> n = A,T,C or G

<400> 1353

ggcaccgagaa	ggcagacata	agcggcaaca	tcacgatgag	gaagctgaga	ctcanagggg	60
ttgaaggact	cgcttaaggt	cacaagcaag	tacgtggcaa	agctgggatt	cagacccagg	120
cctacctggc	tccatctcag	aggccttcgt	tcctggactt	cttggaatcc	tcggaaccta	180
tttccacttg	tccaccaaag	caaaacttca	gatacttggg	gtctgaggca	gtgtcagtag	240
tggctggaga	acatgaactc	tgtaccaact	gtgtgacctt	gggcaagtcc	gtgctcctct	300
gtgagcctca	gtgtctctgc	ctgtaaaatg	ggataatgac	agcaacatca	ggtttgccac	360
caggatcata	taagaaaatc	aaagctgtgt	acgacaccaa	cn		402

<210> 1354

<211> 400

<212> DNA

<213> Homo sapien

<400> 1354

tcgaattcgg	cacgaggctg	cacgtggatg	cgcacacgga	cacgaccgac	aaggccctag	60
gagagaagct	ctaccacggg	gcgcccttcc	gccggtgtgt	ggatgagggg	ctcctggact	120
gtaagcgtgt	ggtgcagatt	ggcatccggg	gctcttccac	gaccttggat	ccctacagat	180
acaaccggag	ccagggtctc	cgggtagtcc	tggctgaaga	ctgctggatg	aagtcgctgg	240
ttcctctgat	gggggaagtc	aggcagcaga	tgggagcaaa	cccatttata	tcagctttga	300
tattgacgct	ctggatccct	gctatgcgcc	agggacaggg	acaccctgaa	attgctgtct	360
cacttctagg	caggctctgg	agatcatcaa	gggcttgcaa			400

<210> 1355

<211> 415

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(415)

<223> n = A,T,C or G

<400> 1355

ggcacgagca	agaactggga	cgtcgagtgg	tctggagatt	acagcctctg	ccccaggtgc	60
acccagctat	atgagaaagg	tggggaccgg	gcaggggaac	tggatgctgg	gggccacaag	120
gggaatggcc	aggctctttt	acaggcttta	gcacagaccc	tcctttctca	tggctttcca	180
cctttagtct	atgggactat	ctcttcaact	cagggaactc	ttccacagga	gtccatccag	240
tatgtaaaac	agggacacat	agctcctctg	aggggtgggt	gagtgggaagg	cctgggaccc	300
cactgtcctg	tgtctgaggt	acttcctgga	acctcacgtc	tccatttggc	gggttggaag	360
ccttattcag	gcagtacatt	ancaaggccc	tgtgtcttga	gagtctgaaa	agagc	415

<210> 1356

<211> 365

<212> DNA

<213> Homo sapien

<400> 1356

tacggcttgc	gagaagacga	cagaaggggtc	cagaaaaaca	gttgaatgtg	ggtgatggac	60
tttgaaatgg	actcttgaag	ttgacgggtg	tcagtaaggg	tgggcgcctg	agtgctctgc	120
gagggttgtg	cctcctcccc	ctttcttttg	agatggagtc	ttgctctgtc	acccaggcta	180
agtgtagtgg	tgtgatcacg	gctcactgca	gcctcaacct	cccaggctca	agtgatcctc	240
ctacctcagc	ctcctgagta	gctgggacta	caggtgtgca	ccaccatgcc	cagctaattt	300
ttttgtattt	tttgtaaaga	cgcagttttg	ccatgctgcc	tactgggtag	actcctgggt	360
tcaag						365

<210> 1357

<211> 383

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (383)

<223> n = A,T,C or G

<400> 1357

ggcacgagca	agaactggga	cgtcgagtgg	tctggagatt	acagcctctg	ccccaggtgc	60
acccagctat	atgagaaagg	tggggaccgg	gcaggggaac	tggatgctgg	gggccacagg	120
ggaatggcca	ggctctttta	caggcttttag	cacagaccct	cttttctcat	ggctttccac	180
cttgtagcta	tgggactatc	tcttcaactc	agggaaactct	tccacaggag	tccatccagt	240
atgtaaaaca	gggacacata	gctcctctga	gggtgggtggg	agtggaaggc	ctgggacccc	300
actgtcttgg	tgtctgaggt	acttcctgga	acctcacgtc	tccattgagc	ggtttggaag	360
ccttattcag	gcagtacatt	agn				383

<210> 1358

<211> 389

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (389)

<223> n = A,T,C or G

<400> 1358

tacggctgcg	agaagacgac	agaaggggga	ttcgagtgat	tctcctgcct	tagcctccag	60
agtagctggg	attacaggtg	tgtgccacca	cgcttgata	attttgtatt	tttagtaaag	120
atgggggnnn	ntncatgatg	gncnngggg	ggtgaaactc	ctgtcctcac	gtgttctgtg	180
cgcttgcccc	ttcctaagtg	ctgggagaa	tcccccttaa	gtttgctacc	tagtttggac	240
ttccagtgcc	ccctgggggg	gggggataat	ttgtgccttt	ttagaacaga	cggatttttt	300
cctttttttt	cacgaaagtg	tggttctcct	aaccttgagc	gattcgcccc	ggtcggtttc	360
ctctttttct	tggcctcccc	gccctcgcg				389

<210> 1359


```
<220>  
<221> misc_feature  
<222> (1)...(650)  
<223> n = A,T,C or G
```

<400> 1359						
tacggctgcg	agaagacgac	agaaggggttt	acgtacattt	aatcctcaca	gcaaccctac	60
gggataatat	cgatgtgcac	catttctata	gaaatgggct	ctatctttta	aagaattcag	120
acagcttggt	aatctacctc	cccttcccct	tgctaaaaag	ggtgtgaaaa	gttgcggtca	180
ttgagatcag	agaaagaagt	gcactggggg	ggtcaaccaa	tgacgttttt	ttgtcaaact	240
gaagctttgc	ttagtctcta	gtcaagagct	ctgcttagtg	atctatctgc	ccagggctta	300
gggaagtcct	tgagcttatt	tgtttctcag	ccgaactgcc	tcaactccag	tggggaactg	360
tggcaagctc	cagagcagtg	acttaagtg	ttggtaagtg	gctcagcccc	aaaaaacagt	420
ccccaaagcca	tttcttttcc	aaggaggttt	cagggaaagg	agcactgctg	gtctctcttt	480
gtgaaaagat	ctttattttg	gaaggcatte	actgtatgcc	actggccttt	ggcactgcca	540
aagctgggtg	cagtggctca	cccctgtcat	accangacct	ttggggaggc	tgagaatcga	600
agaatacctt	gagcgcanag	gtggagatca	gcctgggcac	cataatgaga		650

```
<210> 1360
<211> 446
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G
```

<400> 1360						
attcgaattc	ggcacgagga	ggactcggaa	gtcttcatga	tgtctgcagga	aaatcgcgag	60
ggacgggcgg	cccccgaca	gtccagctcc	tctcggtct	tgcaggaagc	cctggaggct	120
gaggagagag	gtggcacgcc	agccttcttg	cccagctcac	tgagcccca	gtcctccctg	180
cccgcctcca	gggccctggc	cacccctccc	aagctccaca	cttgtgagaa	gtgcagtacc	240
agcatcgcg	accaggctgt	gcgcattccag	gagggccggg	accgccacc	cggctgctac	300
acctgtgccg	actgtgggct	gaacctgaag	atgcgccggc	acttctgggt	gggtgacgag	360
ctgtactgtg	agaagcatgc	ncgccagcgc	tatctcgcac	ctgccaccct	cagctctcgg	420
gcctgagccc	gccatgcnct	cagccn				446

```
<210> 1361
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G
```



```
<210> 1365
<211> 436
<212> DNA
<213> Homo sapien
```

```
<210> 1366
<211> 365
<212> DNA
<213> Homo sapien
```

```
<210> 1367
<211> 455
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G
```

<400> 1367						
ggcacgaggt	ttcttccaag	gagacatata	ttttttaata	aacgatagtt	gcaatgaact	60
gtggctcaga	gaccttctta	aagtagttga	gaagggaggg	cgtggcaaa	gcagtgggaa	120
gaacatccca	aacttttg	ggccagaggg	ctctctcctt	agtgatgatc	agctagccga	180
gctgggccgt	cctggggatc	ggtacagctc	cctggggtgg	tgacaggccc	tttgtgaaag	240
ttgtgtgctt	ggtcttccac	cccagcccca	gacactgctt	caaatagcac	caaccagatg	300

```

ggagccacat ctgtggtgca aaatgctgac attntcccaa gaggtacaca aggtgggaga 360
ggcctgctgt atcaaagggtg gtgtgtaaga aacagggggc tgattagtag cagagaactg 420
cgtgagaaaa atgccagaga aagggacttg caact 455

```

```

<210> 1368
<211> 367
<212> DNA
<213> Homo sapien

```

```

<400> 1368
tacggctgcg agaagacgac agaaggggag ataaaaattc ttaggagata aacttcatta 60
tggaaaattt cattaaattt ttataaatat tgagaaggga aatagcgtag tataatcctc 120
ctgtattcat catccagttt aacaattgtc acctcatacc caatcttttt tcacctgtac 180
tgtccccac ctggattggt ttgtagcaaa tcccagacat cgcattcatt tgtccataaa 240
tatttcagta tgcctctcta aaatagtaaa actcttttaca aaataacctt aatatcaata 300
ttgtacctaa aataatgaac aataattaca caatcttatt agatagttat tgaattttcc 360
agttctg 367

```

```

<210> 1369
<211> 351
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

```

```

<400> 1369
tacggnctcg agaagacgac agaaggggag ataaaaattc ttaggagata aacttcatta 60
tggaaaattt cattaaattt ttataaatat tgagaaggga aatagtgtag tataatcctc 120
ctgtattcat catccagttt aacaattgtc acctcatacc caatcttttt tcacctgtac 180
tgtccccac ctggattggt ttgtagcaaa tcccagacat cgcattcatt tgtccataaa 240
tatttcagta tgcctctcta aaatagtaaa actcttttaca aaataacctt aatatcaata 300
ttgtacctaa aataatgaac aataattaca caatcttatt agatagttat t 351

```

```

<210> 1370
<211> 363
<212> DNA
<213> Homo sapien

```

```

<400> 1370
tacggctgcg agaaaacgac aaaaaggaag atggggagtg cacagcaatg gacagaatga 60
aggatggctg gtcccacaga gttagctgtg gctaaaaaaa actgtctcta gagagaggag 120
agattggttg gcagtttttg tgactcggac acattaaaac acatacatat tctcaaatga 180
agttgcattc aggc aaatgc aaagaaatac agaattcata ttataaaaa ccaaaagaaa 240
aaagggaaaa caatgccttg tgtgagaata ataaacatca aattctatta ttattatatt 300
ttaagatgg ggtctcccc tggtgcacag gctgcagtg agtgacacga acatggttca 360
tgg 363

```

```

<210> 1371

```

<211> 379
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(379)
 <223> n = A,T,C or G

```

<400> 1371
tacggctgcg agaagacgac agaaggggtca ttatggaaaa tttcattaaa tttttataaa      60
tattgagaag ggaaatagtg tagtataatc ctctgtgatt catcatccag ttttaacaatt      120
gtcacctcat acccaatctt ttttcacctg tactgtcccc cacctggatt gttttgtagc      180
aaatcccaga catcgcatca ttttgtccat aaatatttca gtatgcctct ctaaaatagt      240
aaaactcttt acaaaataac cttaatatca atattgtacc taaaataatg aacaataatt      300
acacaatctt atcagatagt tattgaattt tccagttttg ctgattatct tataanaagt      360
ttataatggn ntttttcan                                     379

```

<210> 1372
 <211> 375
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(375)
 <223> n = A,T,C or G

```

<400> 1372
tacggctgcg agaagactac agaagggnnaa ttatggaaaa tttcattaaa tttttataaa      60
tattgagaag ggaaatagtg tagtataatc ctctgtgatt catcatccag ttttaacaatt      120
gtcacctcat acccaatctt ttttcacctg tactgtcccc cacctggatt gttttgtagc      180
aaatcccaga catcgcatca ttttgtccat aaatatttca gtatgcctct ctaaaatagt      240
aaaactcttt acaaaataac cttaatatca atattgtacc taaaataatg aacaataatt      300
acacaatctt atcagatagt tattgaattt tccagttttg ctgattatct tataaagttt      360
tataatggtt ttttt                                         375

```

<210> 1373
 <211> 348
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(348)
 <223> n = A,T,C or G

```

<400> 1373
tnntgctgcg agaagacgac agaagggggag ataaaaattc ttaggagata aacttcatta      60
tggaaaattt cattaaattt ttataaatat tgagaaggga aatagtgtag tataatcctc      120
ctgtattcat catccagttt aacaattgtc acctcatacc caatcttttt tcacctgtac      180

```

```

tgtccccac ctggattggt ttgtagcaaa tcccagacat cgcattcattt tgtccataaa 240
tatttcagta tgcctctcta aaatagtaaa actctttaca aaataacctt aatatcaata 300
ttgtacctaa aataatgaac aataattaca caatcttattc agatagtt 348

```

```

<210> 1374
<211> 361
<212> DNA
<213> Homo sapien

```

```

<400> 1374
tacggctgcg agaagacgac agaaggggag ataaaaattc ttaggagata aacttcatta 60
tggaataattt cattaaattt ttataaatat tgagaaggga aatagtgtag tataatcctc 120
ctgtattcat catccagttt aacaattgtc acctcatacc caatcttttt tcacctgtac 180
tgtccccac ctggattggt ttgtagcaaa tcccagacat cgcattcattt tgtccataaa 240
tatttcagta tgcctctcta aaatagtaaa actctttaca aaataacctt aatatcaata 300
ttgtacctaa aataatgaac aataattaca caatcttattc agatagttat tgaattttcc 360
a

```

```

<210> 1375
<211> 363
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(363)
<223> n = A,T,C or G

```

```

<400> 1375
tacggctgcg agaagacgac agaaggggtat taccctattg acctgccaca tggtagagat 60
aatgatcagt aaataactgaa ggaactcggg gactggtggc ggcaggggga aggcagggtt 120
cctccgtatg ctgagcgcca gtcccctggg cccacttttc tttttttttt ttttaatttt 180
ttaatcctta atggaaacgg agtctcgttt tgttggtcag gctgaagggc gggggcacaa 240
tcgggggttaa ttgaaagctc cgccctgagg gttaacccat ttttcttget taagcttttc 300
caagaagttg gaactacggg ccccgcccc caccgcgggt taattttttg gaattttaag 360
aan

```

```

<210> 1376
<211> 378
<212> DNA
<213> Homo sapien

```

```

<400> 1376
ggcacgaggt agtcccagct actcctggga ctactcggga ggctgaagca ggagaatggc 60
atgaacccag gagacagagc ttgcagttag ccgagatcgc gccactgcac tcaagcctgg 120
gagacagagc gagactcctc tcaaaaaaaaa aaaaaataaa cctggggggg ggggggcatg 180
cttgaacctc ccgggttact cgggggggctg gggcgggaaa ccctttggac cccaggaggg 240
ggaaatggca gggagctgaa attgccccac cgcactcaag ctgggaaaaa aaacaaaact 300
ccgtttcaaa aaaaaaaaaa aaaaaaattt gccttttggt aaaaaattaa aacccccctt 360
ttcaaaaatt tttttaag 378

```

<400> 1377

<210> 1378

<400> 1378

<210> 1379

<400> 1379

<210> 1380

<400> 1380

cttccttggc	cactcggggc	ccattactag	catcgccctc	tctgagaatg	gttactacct	60
ggctacagcg	gctgatgact	cctctgtcaa	gctctgggat	ctgcgcaagc	ttaagaactt	120
taagactttg	cagctggata	acaactttga	ggtaaagtca	ctgatctttg	accagagtgg	180

```
<210> 1381
<211> 704
<212> DNA
<213> Homo sapien
```

<400> 1381						
attcg	aattcggcac	gagcggagcc	agggactcca	gccccaaacc	cggaatcttt	60
ccac	ttcctgccgc	tcaattctgc	tcagactctc	caccacaaga	gctgctacaa	120
gattc	cagctcctct	atgtggcctg	tggtatggtc	catcttctca	tcctgagct	180
cctgt	gtggcacccg	gagggaaactt	gattgtggaa	ttagcccggt	acctggtgga	240
ggcag	gagcagctgc	agggattcaa	cacccggtc	agggagctag	ctcaggcagc	300
ttgct	ccacagaccg	gggccaggcc	ttcagagacc	ttcgcacgtt	tctgcaagtc	360
aatca	gctctgggca	acactgtccc	agctgtggaa	cccggaaactc	cgcccttga	420
tggcc	cagcctcttt	aagccagcaa	cccagccctt	gagggcctga	cccagcctct	480
gtggg	accccactct	gtgagccctg	ccagctgcc	tctgagcttn	cagggtcact	540
agggt	cttgctcaag	ctcacggggc	ctttgcttcg	gccaactggn	gagacaattc	600
tggga	gtgggaccac	ccctagaccc	cttaaattca	acttcaaagc	cggatgaagaa	660
ccgtg	aacaatctag	gccgtgctaa	gcctcattta	tcag		704

```
<210> 1382
<211> 391
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G
```

<400> 1382						
ggcacgagct	tgagtgcagg	agttcaagat	tagtctatgc	aacatagtg	gaccctgcct	60
gtaaaaaaaa	ataataaaaa	tagttggata	tggtggcatg	tgtctgtagt	cccagccact	120
ctggaggcta	aggtgggagg	atcagtagag	cccaggaggt	caaggctgca	gtgggccatg	180
atcatgtcac	tgctctccaa	cctgggcgac	atccagaccc	tgtctcaaa	gaaaaagcag	240
aagaaaaatg	ttcagacaag	gtttttgtaa	ggtttgtagc	atttatattt	ctacaagtat	300
caaagcttan	aattacactg	aacttttgga	ataccttgta	tctccataaa	atgcctcttt	360
tttaaaaagta	qttacccqca	gaqctgtgct	n			391

<210> 1383
<211> 404
<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(404)

<223> n = A,T,C or G

<400> 1383

aattccggtg	ctgtcgngcg	nacgtcctta	cgtgtctgat	caatccccga	ttcatctacc	60
ctgtgacct	cccagtgacc	cctgacctca	ctgtgacctt	gacttgatta	gtgccttctg	120
ccctccctgg	agcctccact	gcctctggaa	ttgctcaagt	tcattgatga	ccctctgacc	180
ctagctcttt	cccttttttt	ccccactgag	aaggggtctc	gctatgttgc	ccagggttgg	240
ctcgaactcc	tggcctcaag	cgatcctccc	gcctcagcct	ctcaaagtgc	tgggattaca	300
ggtgtgagcc	acctagcctg	gcctgagtc	agctctttaa	tgcccgttca	tctcagtc	360
ctgccccgaa	tcttgccttc	tggcctcctc	cgtccctgat	cccc		404

<210> 1384

<211> 454

<212> DNA

<213> Homo sapien

<400> 1384

ggcacgagag	gacgccgcgg	tgaagttctc	cgtcatgata	ctgagggggc	tcttctctctg	60
ccccctcggt	caccccgcag	accagaacca	ggactggagc	tgggtctcca	ggtacggcca	120
tctcatgcct	tgtttgcata	cagcgccat	cagccactca	ccacgacggg	acgcggaagt	180
ggcaggtgac	gggggtgtgt	gccagcagat	gcggtatgcca	ggaagagtgc	gagaacaggg	240
gtgggattac	cgtctgtctg	ggagggggctc	caggtacccc	tcttccccgg	cagacccact	300
gggagatggc	tgcttgccag	gccccagaa	agaacatctg	tctatacggg	gctgaaatcc	360
caatcaaaag	gattgtttag	aaatgatatt	ttcacaaggc	tgaccttctg	cagctcgctg	420
agcactccca	gggcctcagc	actcccaggt	cggg			454

<210> 1385

<211> 400

<212> DNA

<213> Homo sapien

<400> 1385

cgttgctgtc	gctatgttgc	aattcaagtc	ataaactctt	tgttctctgc	aacaggaggt	60
accacattta	tcttgttgac	tgtgaagatt	gttcaacctg	aattgaaagc	acttgcaatg	120
ggtttccagt	caatggttat	aagaacacta	tgaggaattc	tagctccaat	atattttggg	180
gctctgattg	ataaaacatg	tatgaagtgg	tccaccaaca	gctgtggagc	acaaggagct	240
tgtaggatat	ataattccgt	atattttgga	agggctctact	tgggcttata	tatagcttta	300
agattcccag	cacttgtttt	atatattgtt	ttcatttttg	ctatgaagaa	aaaatttcaa	360
ggaaaagata	ccacggcatc	ggacaatgaa	agaaaagtaa			400

<210> 1386

<211> 394

<212> DNA

<213> Homo sapien

<400> 1386

```

ggcacgagga ggactcggaa gtcttcaaga tgctgcagga aaatcgcgag ggacgggcgg      60
ccccccgaca gtccagctcc ttctcggtct tgcaggaagc cctggaggct gaggagagag      120
gtggcacgcc agccttcttg ccagctcac tgagccccc gtctccctg cccgcctcca      180
gggccttggc caccctccc aagctccaca ctgtgagaa gtgcagtacc agcatcgcga      240
accaggctgt gcgcattccag gagggccggt accgccacc cggctgctac acctgtgccg      300
actgtgggct gaacctgaag atgcgcgggc acttctgggt gggtgacgag ctgtactgtg      360
agaagcatgc ccgccagcgc tactccgcac ctgc                                     394

```

<210> 1387

<211> 370

<212> DNA

<213> Homo sapien

<400> 1387

```

tacggctgcg agaagacgac agaaggggca acagtggact gacagcctga ctctacttcc      60
ctcacttttc tcccagcaca cacagcttag taaggtaggt ggattattaa aacgtagctg      120
tccccagaaa ggtattaggc tttctagtc tgctcattga ataatcagga caaaaggggt      180
agaagattat gtaaacacat tttgaaattt ttaaaaattc agggtttcat cttttattag      240
tttgctaagg ataccataac aaagtaccac aaactgagtg acttacacaa tagaaactta      300
ttttcctgca gttctggagg ctgaaagtcc aggacaagggt gtcgacagct ttagattctt      360
ctgaggcctc                                     370

```

<210> 1388

<211> 372

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(372)

<223> n = A,T,C or G

<400> 1388

```

tacggctgcg agaagacgac agaagggggg ttcaactctg aatatagcaa agccgtgggg      60
catttatatc caatgaacag agtgaggggg tccgtgaatg gaaaattact aagaggagac      120
aacgaagata gggaaattct tctaaagaga ctaacagaat tcttgctgaa ggcaggccag      180
ggtgattaga tatcaaggat aggggatttt tgctagactg acttatcaga attcttgcta      240
aaactggact aggcaggcca aagacaaggc ccaaagatga ggcctatttg agaagagggc      300
acaaagaacc tgggtctaaag tttgtttaca gagacagtct ttgttggtat cctctatggn      360
ggtacttgct aa                                     372

```

<210> 1389

<211> 646

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(646)

<223> n = A,T,C or G

<400> 1389

tacggctgcg	agaagacgac	agaagggact	gtaagataca	gaattgccgc	tgggcatggt	60
ggctcacgcc	tgtaatccca	gtactttggg	aggctgaggc	gggcggatca	cgaggtcagt	120
tcaagaccag	cctgaccaac	atgggtgaaac	cccgtctcta	ctaaagatac	aaaaaagtta	180
gctgggcatg	gtggcacgtg	cctgtaattc	gagctactca	ggaggctgag	gcaggataat	240
tgcttgacct	cgggaggcag	aggttgcagt	gagcagagat	cgcaccactg	cactccagcc	300
tggatgacag	agcgagactc	cgtctcanaa	caaaaacaaa	caaaaacaga	attgccttct	360
cagtaaagga	ggaaataaca	tttataataa	ctatcacttt	agtgatagnt	attntaaatc	420
tttgaaaaat	ggacacttnc	aaattaccgt	gctcattata	aattgagaaa	tacggttcta	480
ttataatat	tctgctaggc	caggcagggg	ggctcacanc	ctgtatccca	gcacttggga	540
gggcgaggta	ngcaaatgac	ttgaggtcag	ggagtcgaga	ccagtctggc	ccacatcatg	600
aaaccctac	taaaatacaa	aaaatagctg	ggnggggggg	catgcn		646

<210> 1390

<211> 373

<212> DNA

<213> Homo sapien

<400> 1390

ctcccgagct	gctgggatta	caggcatgag	ccaccgcgcc	cagctgcctt	tttttttttg	60
agtctggctc	tgccactgag	gctgaagggc	aggggcccaa	tttaagctaa	ctgaaacctt	120
tgccctccag	gttaaagcga	tccctttttt	tttttttttt	ttgaaaaaaa	atttaatttt	180
tccccccagg	ctggaaggga	agggcccaaa	tttggtcccc	cccccccccc	aaattttttg	240
gttttttaaa	aaaaaagggg	gtttccccgg	gggggggaag	agggggccaga	atccctgacc	300
ctgggaaccc	cccccccaaa	ccccccaaag	gggggggaaa	aaagggttag	gaccccgggc	360
cggggccaaa	aag					373

<210> 1391

<211> 381

<212> DNA

<213> Homo sapien

<400> 1391

cgttgctgtc	ggtggaccat	gcagtcttta	tcataactgc	ttaactgcc	ttatagttag	60
aaagcagcca	cagacaatat	gtaaatgaaa	aagtgtgtct	ctgttccaat	aaaactttat	120
tttcaaaaa	cagctggcct	gtcacatctg	gcctatgggc	catagtttgc	ccatccctaa	180
tgtaaagaaa	ggacttttag	ccaaagccac	aacttgcata	gtaatgcctc	aaaaaatggt	240
aacatcttta	ctgttattat	tattactact	gcatctatta	cagtagcaat	tgagtaatga	300
atacatgaat	gttataatgt	taaattacta	acctttttaa	aatattaagc	attgcaatat	360
attaatactt	taaactcttt	a				381

<210> 1392

<211> 362

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(362)

<223> n = A,T,C or G

<400> 1392

```

tacggctgcg agaagacgac agaagggaca gtttatttac tcacaggttg tacagacagg      60
agggcaggta catcatgcag ggccacatgg gaaagacatc aggggtggtct gaaggcagaa      120
gacacgagca aggggaggat ttaggccatg acctttactg ggacttccat acaataggca      180
atgcagggca ggggtgaacag tttatgactg gctagtttga ataactgcct tgggctttgg      240
gctacataag gatggtttct agttgcttgg tacctggccc tagtgtcaga agtgtcctgg      300
ccgggcgcgg tggttcacgc ctgtaatccc agcactttgg gaggccgagg cgggtggatc      360
an

```

<210> 1393

<211> 415

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (415)

<223> n = A,T,C or G

<400> 1393

```

tcccatcgat tagcttgttt ttgttctgag cgaagcattt tatttatgag agaagacgac      60
agaagggaca gacccatgga acagaatagt gagctcacat ataaaccac acatacacac      120
tcatctgacc tgtgacaaga gtgcagagga tacacaatgg gaaaaagata gtctcctcaa      180
caaatggagt tgagaaaatt ggatatccac atgcaaatga agaaaatcga atctttatct      240
gacataatac aaaaaatcaa ctcaaaatgg attaaagaga tggcataaga cctgaaactg      300
taacactcct agaagacaat gtacaggaaa agctccatgg cattggtctt ggcagggatt      360
actttaatat gataccaaaa gcacaagcaa caaaagcaaa atagacanat gagac          415

```

<210> 1394

<211> 608

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (608)

<223> n = A,T,C or G

<400> 1394

```

atcgattcga attcggcacg agatttgatg ggcctgggct actgctcacc ctggttagggt      60
gagcctctag gaaaacttaa aacaaatttt aagccaggta tgggtggcaca tacctgtggt      120
ctcagctatt caggaggcca aggcaggagg atctcttgag cccaggagtt tgagacccca      180
tctcaaacaa aaaatacaaa aattagccag ccacggcgcc tgcacttcca gtccttttga      240
gagactgagg caggaagatt gcctaagccc aggaggccaa gtctgcagta agctatggta      300
acaccactgc actccaacct gggcaacaga gggagactct gtctctaaaa aaatagaaga      360
atttgccctg catggtggct cagcctgta atcctatccc tttggaaggc caangggggc      420
gatcacttga cgtcgggagt tcaagacaac cctgacacat ggaaaaaccc atccggctta      480
aaatacaaat atactatggt tgggtggcca ggcttgaatc cacattactc ggaagggttag      540
gcgggaaatc cttggacccg agggggagggt cgcgtgacca gaaccgccct ttcattcagc      600
tggcaaaa

```

<210> 1395
 <211> 226
 <212> DNA
 <213> Homo sapien

<400> 1395
 ggcacgagct tgtcccagta accgccggtt ggaggcggcc gaaccgcagt agggaaagac 60
 ccaggctgcg ggacgcggtg caggctgcgg cgctgacggc ctctgctcct tccgcgggtt 120
 tccgactccc tgccctagat tttctgctta gcgacttggg gtccctctctc gtttgcttct 180
 ggtaggagtc gcaatcccag cagcaatagc ccagaagagg acacgg 226

<210> 1396
 <211> 279
 <212> DNA
 <213> Homo sapien

<400> 1396
 agggtagact gggagcccct gagtgggaagc tgctgctcag gccggggctc cctgagggca 60
 gggctggggc tgttctcata ctggggcttt ctgccccagg accacacctt cctgtcctct 120
 ctgctcttat ggggccggag gctgcagtga cccaggggcc cccaggaatg gggaggccgc 180
 cttgtctatc gccaggctc ctcacttggc cctaacccca gcctttgttt tccatttccc 240
 tcacatgtga caagccgagg cggtgagccg ggcaagagt 279

<210> 1397
 <211> 476
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(476)
 <223> n = A,T,C or G

<400> 1397
 aataccaagc ctacttgggt tctttttgca cnggatccca tncnngattc gacacttcgt 60
 gcagccgaga tgagaagaag gatggacgag tatctataac acgccatccg tgctacacta 120
 gaaaccagta cgcaagcccc gttggctagg aaaactgact atgtcatttc catcaccogg 180
 atttacatca cggatcgac cacacggctg actgtgctga ctgaccgctc cccatggcta 240
 actcacgcct gtaattccat cacttgggga ggccgaggtg ggtagatcac gaggtcagga 300
 gttcgagacc agcctggcca acacggtgaa accccatctc tactaaaaat aaaaaattat 360
 ccaggcatgg tggtagggcg ctataatccc agctacttgg gaggctgagg caggagaatc 420
 gtttgaaccc acgaggcaga gggtgcagtg agccgagatc gcgccactgc actcct 476

<210> 1398
 <211> 401
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(401)

<223> n = A,T,C or G

<400> 1398

ggcacgaggc	tttctggagc	agctcaagtc	ctgcatagtt	tggtcttggg	cgtatctgtg	60
gaccgtgtgg	ttcttcacg	tgctattcct	ggtctacatc	ctgcgggtgc	ctttgaaaat	120
caacgacaac	ttgagcacag	tgagcatggt	tttgaacaca	ttaacaccga	agttctacgt	180
ggccctaaca	ggcacttcct	cactaatatc	agggcttatt	ttgatatttg	aatggtggta	240
ttttcgaaa	tacggaactt	cattcattga	acaagtctca	gtaagccact	tgcgccccct	300
tctgggaggg	ggtgacaaca	actcttccaa	caattctaata	tccagtaacg	gggactcaga	360
ttccaatagg	caaagtgtct	cagaatgcaa	agtatggcga	n		401

<210> 1399

<211> 435

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

<400> 1399

gattcgaatt	cggcacgagg	ctttctggag	cagctcaagt	cctgcatagt	ttggtcttgg	60
acgtatctgt	ggaccgtgtg	gttcttcac	gtgctattcc	tggtctacat	cctgcgggtg	120
cctttgaaaa	tcaacgacaa	cttgagcaca	gtgagcatgt	ttttgaacac	attaacaccg	180
aagttctacg	tggccctaac	aggcacttcc	tcactaatat	cagggcttat	tttgatattt	240
gaatggtggt	attttcgcaa	atacggaaact	tcattcattg	aacaagtctc	agtaagccac	300
ttgcgcccc	ttctgngagg	ggttgacaac	aactcttcca	acaattctaa	ttccagtaac	360
ggggactcag	attccaatag	gcaaagtgtc	tcagaatgca	aagtatggcg	aaatccacta	420
aatttattta	ggggg					435

<210> 1400

<211> 357

<212> DNA

<213> Homo sapien

<400> 1400

tacggctgcg	agaagacgac	agaagggagt	ttggcccttt	gatgcatttt	gagtttttat	60
atttttaata	tggatattca	gtttcttggc	acttatattg	tgaaagaggg	tactttccct	120
attgaatggt	cttggcacc	ttgtcaaaaa	gtatttgacc	attgtctcaa	tcagtttggc	180
ttgttataac	aaataaccat	aggctgggtg	cggtggctca	cacctgtaat	cctagcactt	240
tgggagcctg	aggcaggcag	atcacttgag	gtcaggagtt	caagaccagc	ctggccaaaa	300
catgggccaa	catggtgaaa	ccccaaactc	actaaaaata	taaaaattag	ctggaag	357

<210> 1401

<211> 365

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(365)

<223> n = A,T,C or G

<400> 1401

tacggctgcg	agaagacgac	agaaggggga	gaacatgttt	aattagtata	aactaaacat	60
gttttggggg	tgtaaaatga	atatgtttgc	atcaaaagca	tgcataagct	gaagagatca	120
acacagcaca	tttaatgggt	aattaaacct	atggctctcat	agaagagaag	agagtatgag	180
ttgtgaattc	tgatacttac	aggatatagg	ttattacccc	gatactccta	aaaacaacac	240
aaaacaaaca	aaaaaacatg	tcagaagaat	agtcaaataa	atcagaaagc	aaacaacacc	300
aaggacatac	tccttaccac	atatctgcct	caagaccaag	aggttcatag	ttgactatct	360
caggn						365

<210> 1402

<211> 311

<212> DNA

<213> Homo sapien

<400> 1402

tacggctgct	agaagacgac	agaaggggta	taaattaccc	agtctgagga	gattctttat	60
agtgtgagaa	ttgactaata	cagcatccaa	ataggagagg	aagtcaatcc	gtccaccttc	120
agcgatgata	taattctata	cctagaaaaat	cctaccaagt	ctgccacaat	aattctagaa	180
taaacaactt	tagtaaagtc	gcaggatata	gaatcaatgg	acaaaattac	cagctttcta	240
taagcaacca	catccagggt	gagagtatag	tcaagagcaa	aatctatcca	cttacagttt	300
cacagagaga	g					311

<210> 1403

<211> 452

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(452)

<223> n = A,T,C or G

<400> 1403

cgaattcggc	acgagaggac	gccgcggtga	agttctccgc	catgaacctg	aggggcctct	60
tcctctgccc	cctcgttcac	cccgcagacc	agaaccagta	ctggagctgg	gtctccaggt	120
acgtccatct	catgccttgt	ttgcatccag	cgctatcag	ccactcacca	cgacgggacg	180
cggaagtggc	aggtgacggg	ggtgtgtgcc	agcagatgcg	gatgccagga	agagtgtgag	240
aacaggggtg	ggattaccgt	ctgtctggga	ggggctccag	gtacccctct	tccccgtcag	300
acccactgag	agatggctgc	tttgagggcc	cncagaagga	acatctgtct	atacggtggc	360
tgaaatccaa	tcaaaagtat	tgtagaaat	gtatttcttc	acagggctga	cttctgcagt	420
tcgtgagcac	tcccaagtct	cagactcca	gg			452

<210> 1404

<211> 363

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(363)
 <223> n = A,T,C or G

<400> 1404

tacggactac gattgcgaca tgacaacaga cagggatgag ttttgactat gcaactgctat	60
tatgcaacgt gtcaaaactct gtattccaga cattagtga gctattgctt tatttggtca	120
cctgttatac atctgcctat acaacgcttg tagccatcac tcccacgctt tccttttata	180
gcttcatggt acaacgggca cagtgcgacg ttcttancta atttttttaa tattttttgt	240
agacacaagg tttcaccatg ttgcccaggc tggctctgaa ctcccgggct caagtgatct	300
gcttgctcgc gcttcccaaa gtgctgggat tataggcatg agctaccaca ccagaccaag	360
aag	363

<210> 1405
 <211> 306
 <212> DNA
 <213> Homo sapien

<400> 1405

tacggctgcg agaagacgac agaagggtat taccctattg acctgccaca tggtagagat	60
aatgatcagt aaataactgaa ggaactcgga gactgggtggc ggcaggggga aggcagggtt	120
cctccgtatg ctgagcgcca gtcccctggg cccacttttc tttttttttt ttttaaattt	180
ttaaacccta attggaacag gggtccctt ttttgctcaa gctggaaggg gggggcaaaa	240
acggggtaaa ttgaagcccc cctgccgggt tcaccattt tcctgcttag cttttccgag	300
agcagg	306

<210> 1406
 <211> 359
 <212> DNA
 <213> Homo sapien

<400> 1406

ggcacgaggc tccttggagc agtacacctg actgtcccag ccattggaga gagcccagtg	60
ctggtagcct tcgacgggga tgaggcgctc gtgacgcggc tccgggtgcc cgctgatccc	120
gggcaccacc gacacgtcca ggttttaaat gctgagtgtc cgtgtgcagc cagcgcacag	180
accatggcca cagagcagcg cctcgctcag ccagacctac tgcacctctc aagtggagag	240
caaattggaca ggtctgcaga aacctctcgc ggccacctcc ctctcttttg tggggagaag	300
gtggtgtttg acgggtgaga gcacctggac atcgggagcac tatggggcca aaatttagg	359

<210> 1407
 <211> 365
 <212> DNA
 <213> Homo sapien

<400> 1407

ggcacgagaa acctctcaca cacgtcgtat ttgcatgggtg aacatagccc tgtccctctt	60
gattgctgat gtctggttta ttgttgggtgc cacagcggac accacggtga acccttctgg	120
agtctgcaca gctgctgtgt tctttacaca cttcttctac ctctctttgt tcttctggat	180
gctcatgctt ggcatactgc tggcttaccg gatcatcctc gggttccatc acatggccca	240
gcatttgatg atggctgttg gattttgcct gggctatggg tgccctctca ttatatctga	300
cattaccatt gctgtcacgc aacctagcaa tacctactaa aggagagatg tgtgctggct	360

<400> 1411
 ggcacgaggc gggagcagct acccaggctt ccctggagtc ggccccacgg atcatgcggc 60
 tgggtggccga atgcagccgc tccagggccc gggcaggcga gctgtggctg ccgcatggga 120
 cagtggccac tcctgtgttc atgccagtgg gcacgcaggc caccatgaag ggcacacga 180
 ccgaacagct ggacgctctg gggtgccgca tctgcctggg caatacctac catctgggtc 240
 taaggccggg acccgagctg atccagaaag ccaacggctc ccacggcttc atgaattggc 300
 ctcataatct gctaacggac agcggcgggt tccagatggg gtcgctgggt tctctgtccg 360
 aggtgacgga ggagggcgtc cgcttcgct cccctacga cggn 404

<210> 1412
 <211> 358
 <212> DNA
 <213> Homo sapien

<400> 1412
 tacggctgcg agaagacgac agaagggctc gatctcctga cctcgtgatc cgccctcctc 60
 ggccctccaa agtgctggga ttacaggtgt gagccaccgt gcccgccct gtatatgaat 120
 atttatagca gttttattcg taatagacc aaactggaaa caatcagatg ccctcactg 180
 ggtaaattggc caacaaacag ttgcctatcc acaccataga atctgaacat tcacgtact 240
 ctgcaataac aaggaacaag ctggccaggc acagtggctc atgcctgtaa tcccagtact 300
 ttgggagact gaagagggag gattgcttga gcccaggagc ttaagaccag cctgaact 358

<210> 1413
 <211> 378
 <212> DNA
 <213> Homo sapien

<400> 1413
 cacgagcttt gcccgagcgc cacagagaac gcgagccggg agtccgtgga ggccatggcc 60
 cctcggcgcc tcctgttggg tggggagggg aattttcctc tcgccgcgc tctgagcgaa 120
 accctggatc agagcactca acttaccgcc acctgcctcc agcgcccgcc cgagttggct 180
 cgggatccac tggcctggga gaattctgcag tgcctgcgcg agcgaggtat cgatgtacgt 240
 ttcggtgtgg actgcacca gctggcagat gtctttgaac tgcacgagag agaattgatc 300
 aaattatttc aactccgcc atgtgacgca aagctgcgag ctaagacagg gactgttgcc 360
 aattttccaa gctgtcag 378

<210> 1414
 <211> 392
 <212> DNA
 <213> Homo sapien

<400> 1414
 cgattcgaat tcggcacgag gtatgccag ctactcctgg gactactcgg gaggtgaag 60
 caggagaatg gcatgaaccc aggagacaga gcttgacgtg agccgagatc gcgccactgc 120
 actcaagcct gggcgacaga gcgagactcc tctcaaaaaa aaaaaaaaaat tacctggggg 180
 ggggggggca tccttgaacc tcccgggtta ctgaggaggc tggggcagga gaaccttttg 240
 aaccaggag ggggaaattg cagtgcctg aaatcgccac ccggactcca gcctgcaaga 300
 gacacagact ccgtttaaaa aaaaaaaaaa aaagaagttt tgtttgggga ggaaacataa 360
 gccctgctt agcaggggtt gttgaaaagg gg 392

<210> 1415

<211> 392
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

```

<400> 1415
cgaattcggc acgaggatct ttgacttaac ttttgtatat gatgtaaaagt cactgtcaaa      60
catcattctt ttgcatttgg ctgtccaggt atcccagcat tatttgttga aatgcctaca      120
cttctttata ttcccttgac tcctctaacc aaggcaggtg gacctttgct actaccactg      180
ccctgaaact gctgtcactg ggttactgag gactgggtag cttagttgag tagataatct      240
tttgttgttt cctccttgta atatacaagc cttggcttct gtgacatcat actctcctag      300
atttccccct gtcactgtgg cttcttctca gtctctgtcc atccctggng ctctgaagg      360
ntcctgtctc agccttacac acattacctg gg                                392

```

<210> 1416
 <211> 609
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(609)
 <223> n = A,T,C or G

```

<400> 1416
tacgggttgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtcatga      60
aattccagtc attttacttt tattaacatg cagctagaac catgctagtg aataacttag      120
atattagata ctgtgcagcc atattcaggc aggtcttaaa tataactgga tgcttgaaac      180
tttatctgag tcttcctaaa agtatctggg aagttaagga gaacgttttt gttggctgga      240
agccatcctt cctcatacaa ctaaatgata ttttaatttaa aatatgaact ttaccttaaa      300
tattaattag aacctaaaat taaaatattg gccaggcgcg gtggctcatg cctgtaatcc      360
cagcactttg ggagcccagag gcgggtagat catgaggtca ggagatcgag accatcctgg      420
ctacatggtg aaaccctgct ctactaaaaa acaaaaaata gccggcatag tggcgggcgcc      480
tgtaatccac tactctgggg ctgagcagga gaatggatga aacccgnagg cgtgcttgag      540
tgagccgaga tgtgcactgc actcanctgg tgacgatgag actcgccaa aaanaaaaaa      600
aaaaaaacg                                609

```

<210> 1417
 <211> 621
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

```

<400> 1417
tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtcacac      60
ctgtaatccc agcacttttg gaggccatgg aaggtagatc acaaggtcag gagattgaga      120
ccatcctggc caacatgggtg aaaactcgtc tctactaaaa atacaaagat tagccagaca      180
tggtggtagg cacttgtagt cccagctact cacgtggctg aggcaggaga atcacttgaa      240
cccaggagac agaggttgca gtgagccgat gttgcaccac tgcactccag tctgggtgac      300
agaggaagac tccatctcaa aaaaaaaaaa aaagaaaggg acaggtatct tgatcaaatt      360
accacatgtg ggaaaccgga aaaggagggc ccaataaatt aaatgaatag aacttctaac      420
agggaggccg gggaattngt gccttagctc agacactcca tgggacactc tgagtcttct      480
gcaaaacagg gacagcaatt tgggtaaaaa caaacctttg caggtgcggn ggtgctcatg      540
cctgtatccc acatttggag gctgngcngt ggatatgagt tcagagtcag acaccctgcc      600
cgatgtgaac cctgcttcta n                                           621

```

```

<210> 1418
<211> 402
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

```

```

<400> 1418
cgttgctgtc ggggaggatc acttgagccc cgaagtttga gactagcctt ggcaacatag      60
ggagacactg tctccannta aaaaaaaaaa aaaaaaaatt tttaaataaa acttttcttt      120
taaaacccaa ggttttaaaat ttaccacaag gggcccatag gttaactaaa cccaatgttt      180
accaaactct ttattttaaaa taacaaaata atggggggaa aaaattatgg gggggccggg      240
ggtggcaata aaaattttta tgcttttaaaa cgacatgaaa attctttata ttgccaggca      300
agggaagaa ctaacaatcc aatttcaatt tgggggaaga acccaaaaata acaaccgggg      360
gaacaacctt ggagagatct ttaaaattag atcttttagg ga                                           402

```

```

<210> 1419
<211> 398
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

```

```

<400> 1419
ggcacgagat acgagaaact aatggtagtt acaggtagtg agtaaagtg gttatgtagg      60
ttcttctagc gccatcgctg gctgataagg gtctaaagtt gtctctggtg actaactttt      120
gtccctggta gaaagaggag gtgggacacc tttgaaaatg tatgtcctgc tcttaggtac      180
atagtggaa ggtaggaggc ttgttttgta cagatgctcc tctacttact ctacttagga      240
tggagttaca tccaataaaa ccattgtaa attgaaaata tcattagttg agggccagcg      300
tggagcctca ctctgcctc agcctcccaa gtagctggga ctatagaaag gtcccccttc      360
tgggaaagac cgagtgaaga aaggtggatc ctacatgn                                           398

```

<210> 1420
 <211> 450
 <212> DNA
 <213> Homo sapien

<400> 1420
 gtcttttggc cgaagcggcc tacggctgcg agaagacgac agaagggtag ggctgcgaaa 60
 agacgacaga agggttgtca gaagacatgg gaacacatct ttaaaaacat gaaacaaaaag 120
 aactgtcaac tcagaattct acatagagca aaaattgtca agaatgaaag caaaaaaaaaa 180
 aaaaaaagaa ccccttttgg ggaaaaaaaa aaacttttaa aatccggccc gggggggggg 240
 ctccccctt gaacccaac cttttgggag gctggggggg ggtggtcccg aaaatgggga 300
 attggaaccc ttctgggaaa ccggggaaaa ccccccttt actaataaac aaatattaac 360
 cgcgcggggg ggaaggccct ttgccccac ttcttggaag cttagccaga aaatggggaa 420
 ccccgagggc gatttgcaga ggccgaaacc 450

<210> 1421
 <211> 388
 <212> DNA
 <213> Homo sapien

<400> 1421
 tacggctgcg agaagacgac agaagggtag ggctgcgaaa agacgacaga agggttgtca 60
 gaagacatgg gaacacatct ttaaaaacat gaaacaaaaag aactgtcaac tcagaattct 120
 acatagagca aaaattgtca agaatgaaag caaaaaaaaaa aaaaaaaac ccccttttgg 180
 ggaaaaaaaa aaaattttaa aatcccgccc gggggggggg gctccccctg gaaacccac 240
 cttttggggg ggcggggggg gggggtcccc aaacccggga aatggaaccc ttctgggcaa 300
 accggggaaa ccccggtttt tataaaaaaa aaaaaaata acccgccggg gggggcgggg 360
 ccttgtagcc ccacctctg gggggggtg 388

<210> 1422
 <211> 426
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(426)
 <223> n = A,T,C or G

<400> 1422
 tacggctgcg agaagacgac agaagggtag ggctgcgaga agacgagaga aggggccacc 60
 cagtttcaca caggccagag aggtgacct acctgcccag aggcagggga agaattccaga 120
 ggacctctcc cggaggaggc acgagaagcc cacgtggcag ccaagaagag ggagagcatc 180
 ctgtgccccg gaagcacaat gccaggggca gacatgcact gggaggcacg gtgccaggga 240
 caccttcagt gagcacagn tctgggtagg gcttcggaag gggtagggg ggaaaagcaa 300
 gccaagccgg tgtgtggagg ccctgcctaa tcttgtaga ctaggatagg aacatgccaa 360
 aaatgtntac gcccggtggc cacacttgta ttcactttgg aagcttgagc tggggaaaat 420
 ctaagt 426

<210> 1423
 <211> 382

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

<400> 1423

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgagaga	agggggccacc	60
cagttttcaca	caggccagag	aggctgacct	acctgcccag	aggcagggga	agaatccaga	120
ggacctctcc	cggaggaggc	acgagaagcc	cacgtggcag	ccaagaagag	ggagagcatc	180
ctggggccccg	gaagcacaat	gccaggggca	gacatgcact	gggaggcacg	gggccagggga	240
caccttcagt	gagcacaggg	tctgggtagg	cttcggggagg	ggtgagggcg	gagaggcagc	300
caagccgggt	tgtgggaggc	cctgcctaata	tctgtaaaga	ctaggattag	aaacatgaca	360
aaaatgggtt	aggcacggtg	gn				382

<210> 1424
<211> 395
<212> DNA
<213> Homo sapien

<400> 1424

gattcgaatt	cggcacgaga	ctaacctcac	tttacacctt	aagaccctgg	aaaaagaaga	60
gcaaactaaa	cctagagcca	ggagaaagaa	ggaaatataa	aagattagat	gagaataaat	120
gaaatagagt	gaagaaaagt	agagaaaaat	caatgcaacc	aaaagttgat	tctataaaaa	180
gatcagtaaa	actgacacac	cttctgctag	actgaccagg	aaaaaaggag	aatcaaatta	240
ctaaaatcag	aaatgaagga	gggaacattt	caactgaact	tgtagaaata	aaaaagatta	300
tgaaggcata	ttatgaataa	ttttatgtca	ataaattatc	aatgaagtga	cacattccta	360
ggaagacaca	actatccaaa	ccactcagaa	gggag			395

<210> 1425
<211> 388
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 1425

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggaagtct	60
ttcttgaaga	ctgtccctct	taagcttcca	attgatgtgt	ttacatcaca	ggatattttac	120
gcattggatc	atttgatgtg	ctgagactga	agacaatcac	ttcatgtgct	actttttccaa	180
ctctaactaa	ataggccttg	gtgtgggtgt	cagctgtcaa	cttctctagg	aaataacatg	240
tatctagcct	attggggagc	ttctctagtc	ccctctgtta	gctagataaa	acagctgctt	300
tttgggaagtc	tgggccaatg	gcctgcataa	ttgaggcttt	gtgttctaag	gcaattatgg	360
ctagtttatg	gcagcagagg	cgttaagn				388

<210> 1426

<211> 394
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = A,T,C or G

<400> 1426
 ggcacgaggt tgcttttaag ccaagtacat ctagtttccc tattaaaaat gtgtctgaat 60
 agcgattttg ctttgccacc aaaaggcttt tccttgagaa cagtgaagga tgtatgtcat 120
 tttgtggtgg ttgtatgtgt ccttacatag accttaaaaa gagctcacc ttccaggcca 180
 atgctgaaga cacagctccg cttgggagcc tgagaaccca ggcttcccag gccagagtgt 240
 ggcttcttaa acggcaaaagg aaattccttt gagtcacaag ccaagttttc gccctgtctc 300
 ctgagaccat ttccctacgc tttgctgctg ctgagagtta cgtgaggcac ttgttaaaaa 360
 ttcagcctcc caggtccctc ccctcggaga ggcn 394

<210> 1427
 <211> 384
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(384)
 <223> n = A,T,C or G

<400> 1427
 tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggctattg 60
 tgctcttgcc tgggcttcta gacagcatct tagatcagat aaaaaaaaaa aattaagagt 120
 ggggggtatt tactgaatgc ttactctgtg ggagctggta tattaaaagc tttaggtaca 180
 tttcttgttt agggtttcca acaattttac gaagtagttc ttattttatac atggagaaac 240
 aggttcagag aagtaaagta atcaaatcca catgcagcta ataaatagca aagctggccg 300
 ggcacagtgg ctcacgcctg taatcccagc actttgggag gccgagccag gtgaatcacg 360
 tgaggtcggg agtttgagat cacn 384

<210> 1428
 <211> 470
 <212> DNA
 <213> Homo sapien

<400> 1428
 ttttggccga agcggcctac ggctgcgaga agacgacaga agggctctgtt aaagctaaat 60
 atatgaatgc tctgtgactc tatagttata cccctaagta tggaaccaga aaagtgtaca 120
 tatgcatgta gatatacatg ctcaagtctt atgttcttag cagtagtttt tttttttctt 180
 gagacagggg cttgctctgt tgcccaaact gaagtgggca ggggggatca cagctcactg 240
 cagcctcaaa ctcttgggct gaagcaatcc ttccacctca gcctcctgag tagctgggac 300
 tacaagggtg caccaccacg cctggctgaa ttttcaatth tttgtagaga tgaggacttc 360
 gtgtgttgcc aaaagctggg ctagaactcc tggcatcaag tgatcctcct gtcttggcct 420
 ccccaaagtg ttaggattac tgggatgagg cccaagcct tggcctagcg 470

<210> 1429
 <211> 344
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(344)
 <223> n = A,T,C or G

<400> 1429
 tacggctgcg agaagacgac agaaggggtac ggctccgaga agacgacaga aggggatcca 60
 gaatacattt ccaacaagag cactggccaa gtcagcttct tctgagagag tctctagaag 120
 acatgatact acactcagct ttgngtctct gcctcttact cgtcacaggt tcttccaacc 180
 ttgcattgca ataaaaaaga anaagacccc cctcagaact ctcaagagat ggggggatga 240
 catcacttgg tacaacttat gaagaaggct ctttatgctc aaaaagaga agccataagg 300
 taatcataac tcgagatggc atactctagg cctaaagagg aatg 344

<210> 1430
 <211> 624
 <212> DNA
 <213> Homo sapien

<400> 1430
 tcttttctact gttgcgagaa gacgacagaa gggagccaca ctgcctagag agtaagcaga 60
 gagagaattg tcattaaccc aaagaccatc ttcgaaaaca gactggctgc ggctgagtgc 120
 ggtggcacac gcctgtcacc ccagccctct ggaaggccga ggcaggagga ccacttgagc 180
 ccaggagttc gagaccagcc tgggcaacat ggcaagaccc tgtctctatc tttctaagta 240
 aaacaaaata aaaagctcag accggcgaca catggttctt tccagctgtt cccatgaaca 300
 ggcttcagga caagcccatg caaaggcagg gagaaatggg gtggggaccc ccaagatcac 360
 ccccttgtct gatgcgtaag tggaggtggg caacaaagt acaagcttgg gagggggcca 420
 atgcttttgt gcgagcattc accaacctgt gacaataaga gaggagaaac aactccctcg 480
 acccggaag gcttaaaacc ctcccacact tctggccata ttcactgcag aacacaatgg 540
 ggtcaggcgt gaaggtcaca tctgtatccc acactttagg aggtgtggca gcgatactga 600
 gggaggggat aacaacactg cgct 624

<210> 1431
 <211> 348
 <212> DNA
 <213> Homo sapien

<400> 1431
 gctacggctg caagaagacg acagaagggc ctctatcact ttttcgcatt gtgtcccttt 60
 tctctcctta gtacaacaaa tgaagaacaa ttttccaaga gaagaaatga cacactggat 120
 cctgaactgt aagtacgatc cccttgaata gtcagtacgc tttggctttt ctttttccct 180
 ttcattctct tgaaggttgc atgaccaatc agatgatcct atattcttgg gctaaatcta 240
 cataacatac atctaattga tagtaaaacc atggaaaaca ctgaagtact aaggaacatt 300
 atttcttaat gataattcta atgttcttaa tggtgaatgt gaaacatt 348

<210> 1432

<211> 450
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(450)
 <223> n = A,T,C or G

<400> 1432
 tacggctggt agaagattat cngaaggggg gcttattttg ccaaagaaaa cacagcagtt 60
 gcaccctggt ttgcaaaaac catcagtgtt tgggaatgat tctgatgatg atgatgagac 120
 ctctgtgagt gaaagccttc agagggaagc tgctaagaag caggccatga aacagaccaa 180
 actggaaatc cagaaggccc ttgcagaaga tgctactgtg tatgaatatg acagtattta 240
 tgatgaaatg cagaaaaaaa aggaggaaaa taatcccaaa ttgcttttgg ggaaagacag 300
 aaagcccaag tatattcaca acttgctaaa agcagttgag atcagaaaaa aggaacagga 360
 acaagaatg gaaaagaaaa tacagagaga acgagaaatg gannaggggg agtttgatga 420
 taaagaagca tttgtgacat ctgcatataa 450

<210> 1433
 <211> 409
 <212> DNA
 <213> Homo sapien

<400> 1433
 ggcacgaggc cctctggggg tggcctcaaa ctgtgatcac ccacacaccc actttctgtt 60
 ggggtggcggc tctaagagga gctccactgg attcctgaac aggagactca cccctccccc 120
 tggccctggg cagagggaga acctggggccc tgggtcagtg gcccagagc agtgtctgcc 180
 tcccacaggc tgccacaccc tgtacctgag ctcaagtgagc gtggagaccc tgactggagc 240
 cctggccgtg cagaaagcca tctccaccac ctttgagagg gacatcctcc ccacgcccac 300
 cgtggtccac ttcaaaagtca cagagcaggg catcactctg actgatgtcc agaggaaggt 360
 gtttttccgg cgccattacc cactcaccac cctccgcttc tgtggtatg 409

<210> 1434
 <211> 394
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = A,T,C or G

<400> 1434
 cgttgctgtc gggggaatca ccatgtttgt gtggaccagc tttctaaggg cttgcatttg 60
 catatcaaag gttgccaacc tggctctaag agccggggct ttacaagaaa cttttctgga 120
 gatgtttcaa aaaaatgaaa actccagcct gaccaacatg tagaaacccc gtctctacta 180
 aaaatacaaa attagccggg cgtggtggcg catgcctgta atcccagcta ctccgggaggc 240
 tgaggccaga gaatcgcttg aaccaggag gcggagggtg tggtagacca agatcgacc 300
 attgcactcc agcctggggc acaagagcaa aactccgtct canaaaaaaa gaaaaagaaa 360
 caaaacaaaa aacttcccaa ggacccaagg accc 394

<210> 1435
 <211> 394
 <212> DNA
 <213> Homo sapien

<400> 1435
 tacggatgcg acaagacgac agaagggggg ggaaggggct cacagccacc acggaatcag 60
 gttttccggg gcaggagggg agccgcgac tctagggaca cagtgtccca gactgtcttt 120
 ttctgttgg agtaaaatcc attctatgtt taaacagggg ctgtgtaagt ggctcttcca 180
 agtgaaatgc aaacaggacg ccttcctgtt tctctaaggg ttctgttctc ccttcggcat 240
 ttgtgtcctc acccaggaac tgaagtgccg cagccccaac tcaccagagc tccagcttca 300
 cgcgcgggcc gtccagcagg atgggtgggg tcttgtagtc gatccctgcg aggaagcaca 360
 gggcgctgag gggacgcgcc actcctggag cgag 394

<210> 1436
 <211> 389
 <212> DNA
 <213> Homo sapien

<400> 1436
 ggcacgaggg tggccgcctt ggtgaatgca ccggagaaca ggctggtgaa gggcactgcc 60
 taccactggg acctcctgt cctcgccatc atcaacacag ggctgtctct gtttgggctg 120
 ccttggatcc atgccgccta cccccactcc ccgctgcacg tgcgagccct ggccttagtg 180
 gaggagcgtg tggagaacgg acacatctat gacacgattg tgaacgtgaa ggagacgcgg 240
 ctgacctcgc tgggcgccag cgtcctgggtg ggcctgtccc tgttgctgct gccgggtccc 300
 cttcagtgga tccccaaagg cgtgctctat ggcctcttcc tctacatcgc gctcacctcc 360
 ctcgatggca accagctcgt ccagcgcgt 389

<210> 1437
 <211> 400
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 1437
 cttctgattc ggcacgaggt tcattccata agcggcaatt tccagtttct aagacattgc 60
 cagagctcta tgagttagt aacaactatc agcctgaggt tctgtggctg gatggtagc 120
 gaggagaacc ggatcaatac tggaaacagca caggcttctt ggctgggta tataatgaaa 180
 gcccagttcg gggcacagta gtcaccaatg atcgttgngg agctggtagc atctgtaagc 240
 atgggtggct ctatacctgc agtgatcgtt ataaccagg acatcttttg ccacatanat 300
 gggaaactgc atgacaatag acanactgtc ctgggctata nggaggaagc tgaatctctg 360
 actattctac atttgaagaa tngngaagca ctttgagaga 400

<210> 1438
 <211> 361
 <212> DNA

<213> Homo sapien

<400> 1438

tacggctgcg	agaagacgac	agaagggtac	ggctgcgaga	agacgacaga	aggggtctca	60
aaccctcggc	ctcaagtgat	ccccccactt	ctgcctccca	aacatttctg	ttgttttaag	120
ccaccagatt	agtaaaaatt	tggtatgtga	gctctgtgaa	actaacacaa	gttgaaaatt	180
acaatggtgt	ctccactctc	tctaaactta	gggtggttgt	tagcttgga	gaagtttcag	240
aagaccagtt	ttgaaacaaa	aatattgatt	ctaataataa	gccattaaga	tgagattaat	300
ttagactatg	acaaaaatc	tgagccataa	atcacacatt	tataaatata	taaaaagtta	360
t						361

<210> 1439

<211> 362

<212> DNA

<213> Homo sapien

<400> 1439

tttttttttt	tgggggttctc	aggttcttgt	tacaactgag	tccggtttgg	aggaggtgtg	60
ggccccctcc	ccccaggaaa	aacagcactg	gaggcaaggt	ttctataaat	caaaaaaaaaa	120
acagtgtgaa	aatgtcagcc	ctcaactgga	agccgtttgt	gtacgggggg	ctggcctcca	180
tcactgctga	gtgcggtattg	cccccgcgat	gttacgccag	gcatacctatg	gcaccatcaa	240
gataggcact	taccaaagct	tgaagcgact	attcattgaa	cgccccaaaaa	attcggatgc	300
aagcgcaaag	caacaccatt	caaggaggaa	tgataggcaa	cttcatgaac	atttaccagc	360
aa						362

<210> 1440

<211> 616

<212> DNA

<213> Homo sapien

<400> 1440

tactgctgcg	agaagacgac	agaagggcag	tggtctgttca	tgggcacggt	tatcacatat	60
ggccccagtt	cctattgcct	gggctgggtc	aactcctggg	ctctagctat	cctcctgcct	120
agacctcaag	gtattgggat	tataggcata	agccaccaca	ccctgccaga	tttgtgcatt	180
ttaatttttg	cagattcttc	caaacactcc	caagtgttag	accactttat	ttgttctgga	240
aatgtacaga	gtacccatct	tcttataggt	aggttatcaa	acttggaatt	ttgccaatgg	300
aaaatgaaaa	atgggctgtg	tgtgctggct	tccacctgta	acccccacat	tttgggaggt	360
ggggccagga	ggctcacttg	agcctaggag	gtccaagctg	tggtgacctg	tgatttcacc	420
actgcacacc	atccttgatg	acagaccctg	tgtccaaaaa	aggggggaaa	aggctgggtg	480
tcattggctca	acctgtatcc	cacccttttg	gaggccgaag	cggcttatta	gctgatgcag	540
gatttgaacc	cgctggcgac	atggtgaacc	catctcacta	aaatacaaaa	aaatagctga	600
catgtggcag	gatctt					616

<210> 1441

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 1441

tcccatcgat	tcgaattcgg	cacgaggtaa	tctagagatg	gaaatagaga	agctgaaaaa	60
agctgtcctg	tcttcttgag	tgggtgggac	ctgggtgttca	taatgttcca	gggattcaga	120
agcaacgcta	tgaacttcag	ctgacttggt	acttaaaaat	tgtgaattct	gttgttgtga	180
taaatatgag	caaatgaagt	gtaatatcta	tagaaaagta	gagtgagggt	gaatttatat	240
atatattttg	gtttgccaat	atgaagaaaa	agggccttat	ttcttaactg	tgctgggatt	300
gcaacacttt	ttaaaaaatg	gttgcttgaa	atactacnnt	gatataataa	gaatgtgcac	360
aggagttttt	attgaacttg	attattttta	agagan			396

<210> 1442

<211> 404

<212> DNA

<213> Homo sapien

<400> 1442

ggcacgagaa	tacaacaaaa	tgtttaatga	gcaaattcgt	cttagcaaat	atgaaactgc	60
cacagagagt	aggagagggg	cagggcactg	atgcccgat	ttcttgattt	tggcgcgggc	120
gacgggatga	ggcgctgcag	tctctgcgct	ttcgacgcgc	cccgggggcc	caggcggtg	180
atgcggtgtg	gcctcgcgct	gatcttggtg	ggccacgtga	acctgctgct	gggggcccgtg	240
ctgcatggca	ccgtcctgcg	gcacgtggcc	aatccccgcg	gcgctgtcac	gccggagtag	300
accgtagcca	atgtcatctc	tgctggctcg	gggctgctga	gcgtttccgt	gggacttgtg	360
gcctcctcgg	cgtccaggaa	ccttcttcgc	cctccactgc	actg		404

<210> 1443

<211> 374

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(374)

<223> n = A,T,C or G

<400> 1443

tacggctgcg	agaagacgac	agaaggggca	ccatgtctca	ggagttctcc	aagttgcaga	60
gtaaaagtga	gacagccgaa	tcacgagtgt	ctgtcctgga	gtccatgatt	gatgacctgc	120
agtgggatat	tgacaaaatt	cgaaagaggg	aacagcgact	caaccgacac	ttagcagaag	180
tcctagaacg	ggtgaattcc	aaaggttata	aggtgtatgg	agcggggagc	agtctgtatg	240
gcggcacaat	cactatcaat	gctcggaaat	ttgaggaaat	gaatgcagag	cttgaggaga	300
acaaagagtt	ggctcagaac	cgtctctgtg	agctggaaaa	cttcngcaag	actttgagan	360
gcactacaca	aatg					374

<210> 1444

<211> 375

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(375)

<223> n = A,T,C or G

<400> 1444

tctacggctg	cgataagact	acagaagggc	atthttatatt	gcaataagta	cctaagactg	60
tgtaatthtat	aaagaaaaaa	gatttgthttt	cttcatagtt	atgcacaatg	tacaataagt	120
gtgggtgcca	catctgcata	tggtgagggt	ctaaataagc	ttacaatcat	ggtgaaggca	180
aagagaaacc	acacataattg	catggggaga	gaggagcaa	gcatgaaaag	aaagtgccag	240
gttctthtaaa	cacgcagctc	tcatgtgaat	taacagaatg	agaactcatt	gatcaccacg	300
gngatgggtgc	gaagtcatct	acaagagatt	tgctcccatg	acctanacac	accacacaag	360
gatccacata	ctacg					375

<210> 1445

<211> 381

<212> DNA

<213> Homo sapien

<400> 1445

tacggctgcy	agaagacgac	agaaggatcc	tacaggttga	gggcttattc	cttcaagact	60
gagccctact	tctgaggcca	attgcagggt	ccacattctt	tcacctgttt	ttctgaccaa	120
ccggctataa	atcgaggtht	ccatgacacc	cctggattca	attaatttgc	tagagcagct	180
cacagaactc	agggaaaaac	caggggagaa	gtaacacgca	agaccagca	agcgtgtgaa	240
tgtgtaagat	cccaagtcaa	aggtcaaacc	gcctacttgt	ctctctcaag	tcgccatctt	300
ggtcctcttc	caagtatact	ttacttcttt	tcattctctg	cctaaaactt	tttaataaac	360
tttctactct	gctctaagag	t				381

<210> 1446

<211> 378

<212> DNA

<213> Homo sapien

<400> 1446

cccatcgatt	cgaattcggc	accaggctgg	acgggagcag	ctggagcgtg	agcctggctg	60
cgctaccgcy	gctgcctcct	gctgtgcagg	tccccgaccc	tctctctgtc	ctcattgcgc	120
ccagacgggc	cggcccagag	ctccccgggtc	gtctttctgt	tggccgcgag	acactcttgc	180
actcctgtaa	tgagcctggc	actgtgatga	aacacttttc	ccgtggctct	tgagtgtctt	240
tctcaacaac	cctaggaggg	gtcttgaagc	ttttgagatt	aacaatggca	ggaaaatcat	300
cactttttta	agtaattctc	ccttgaagat	gggggagttg	caaagagtca	cttattgaca	360
gatatgaact	aataaggg					378

<210> 1447

<211> 347

<212> DNA

<213> Homo sapien

<400> 1447

tactgctgcy	agaagacgac	agaaggggca	ccatgtctca	ggagttctcc	aagttgcaga	60
gtaaagggga	gacagccgaa	tcacgagtg	ctgtcctgga	gtccatgatt	gatgacctgc	120
agtgggatat	tgacaaaatt	cgaaagagg	aacagcgact	caaccgacac	ttagcagaag	180
tcctacaacg	ggtgaattcc	aaaggttata	aggtgtatgg	agcggggagc	agtctgtatg	240
gcggcacaat	cactatcaat	gctcggaagt	ttgaggaaat	gaatgcagag	cttgaggaga	300

acaaagagtt ggctcagaac cgtctctgtg agctggagaa acttcgg

347

<210> 1448
 <211> 387
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(387)
 <223> n = A,T,C or G

<400> 1448
 tacggctgct agaagacgac agatgggtac ggggtgcaaga agacgacaca ggggtacggt 60
 tgctacaaga ctacagacgg gcaagcgact tttgcacctc tggctcccaa gtagctggga 120
 ttacaggcgc gagccatcac acccagctta gatttttaga gcggtagtaa tgtatgaagc 180
 agaaaagtgc gaacacgacc acctgactgc ttttcctgct tgaaggctga ttacaaaggt 240
 accccttgag gtagtggaca gttttacagg gtttccacca ttaacagaat tgggtagagt 300
 agctcagtgt gcctcaactg tttgtacaaa caatatgggt tatgctgaac accgctttcc 360
 ctctgggagt ctagactttt tgtatgn 387

<210> 1449
 <211> 403
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(403)
 <223> n = A,T,C or G

<400> 1449
 cccatcgatt cgaattcggc acgaggccgc ttgtgctgca gccatggtaa ggctggaatc 60
 cgtgccgtga tccagcggca tcgcagctcg ggcaaggaaa gccggctgtc agggttctgg 120
 aaacgtcctg ccctgagggc ctgacgacttt ctgtatggag ccttggatcg cgtccctgga 180
 aaggacacc aaagatttcc aattccggag agcggggcccg aggaagggtc actgctcggg 240
 cgcacgaaaag ctgtctaagg cttgggcgta tatggggaaa ctctgctttt gccacgcact 300
 tttgngaagtg ggcaggagac ctgcttcctc tctccagagg gtgcattttc caagcttgaa 360
 cgcttcatgt gcctactctg caagactgaa gagtttgctc tgn 403

<210> 1450
 <211> 390
 <212> DNA
 <213> Homo sapien

<400> 1450
 ggcacgagga cacatagatt ggaggttaatt taatggttta tgtattccat gcaaattggaa 60
 accaaaagaa ctgggatagc tatacttagg taaaatagat tttaagtaat gtatacaagg 120
 agacaaaagg cattgtataa tgataaaggg atcaattcaa gaggatataa caattataaa 180
 tatatatgca ctcagcatca gagcacctaa atatataaag caaagatata aagatctgaa 240
 gagataaact gcaatactat aatggtaggg tacctcaata cccattttca acaatgtaca 300

```
<210> 1451
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 1452
<211> 378
<212> DNA
<213> Homo sapien
```

```
<210> 1453
<211> 355
<212> DNA
<213> Homo sapien
```

<210> 1454
<211> 388

<212> DNA

<213> Homo sapien

<400> 1454

```

ggcaccagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga      60
gagagagaga gagagagaga gagagagagc gcccgtagaga gagagagata tctctcttga      120
gggggagaga catacctaca cagagagact gtgtgagaga gagagtttgc tttttataca      180
cacacagaga ggggtgcgcta tatacacctt ttcctatcgg gtctcctctc tcccccccat      240
tgtgaggagc tctcttctct tttctaccct ctttctctgc acacatacat gcgagatttg      300
tgggggtggg cacatacgcg cgcgcgcccc ttgtgtgtgt gtgtgttgtg ctctcttctc      360
tcataaatat ctctcgcgcg cacacggg      388

```

<210> 1455

<211> 351

<212> DNA

<213> Homo sapien

<400> 1455

```

tacggctgcg ataagacgac agaaggggca ccatgtctca ggagttctcc aagttgcaga      60
gtaaagtgga gacagccgaa tcacgagtgt ctgtcctgga gtccatgatt gatgacctgc      120
agtgggatat tgacaaaatt cgaaagaggg aacagcgact caaccgacac ttagcagaag      180
tcctagaacg ggtgaattcc aaagggtata aggtgtatgg agcggggagc agtctgtatg      240
gcggcacaat cactatcaat gtcggaagt ttgaggaaat gaatgcagag cttgaggaga      300
acaaagagtt ggctcagaac cgtctctgtg agctggagaa acttcggcaa g      351

```

<210> 1456

<211> 384

<212> DNA

<213> Homo sapien

<400> 1456

```

tacggctgcg agaagacgac agaaggggca ccatgtctca ggagttctcc aagttgcaga      60
gtaaagtgga gacagccgaa tcacgagtgt ctgtcctgga gtccatgatt gatgacctgc      120
agtgggatat tgacaaaatt cgaaagaggg aacagcgact caaccgacac ttagcagaag      180
tcctagaacg ggtgaattcc aaagggtata aggtgtatgg agcggggagc agtctgtatg      240
gcggcacaat cactatcaat gtcggaagt ttgaggaaat gaatgcagag cttgaggaga      300
acaaagagtt gggtcagaac cgtctctgtg agctggagaa acttcggcaa gactttgagg      360
aggtcactac acaaaatgaa gagc      384

```

<210> 1457

<211> 352

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(352)

<223> n = A,T,C or G

<400> 1457

```

tctatttttg ctagaagacg acagaagggg gaaaatacaa caatcacatg ctttttatta      60

```


tctccatgat	tgnattcttt	ttaaaaagga	gctgtgtaa	tgatacaaac	aggaagcagg	120
gaaatactgg	gtagaagaag	tgtggtccct	ggcgagagcc	acaccctcaa	gcctggaccc	180
atggcccaaa	gtgagaacat	gcatttctgt	tttccccacc	cgaatgttgc	cttttccaaa	240
accatactgg	cctgccctgt	ccccatcct	gtgcccataa	aaaccacagg	ccccaccagc	300
agagcagcag	agcagctgag	aaagacagaa	gagaagaagt	agctggacgt	tg	352

<210> 1458

<211> 376

<212> DNA

<213> Homo sapien

<400> 1458

ggcagcagat	atcctctgcc	ccttgccatc	tacctgtgac	cagcctccag	tctcctcaac	60
tctaggctgg	ggagagtctt	ccatcctgat	ggggggtggg	gtacgggggt	gagccctggg	120
tccccctctg	ggcagatccc	gttacacctc	ttggtggggg	ccttgattgg	gctacgctct	180
ggaactgtgg	atgcagctgc	atgaggcttg	gaaatggcct	tgaaggagcc	cggggggggc	240
ccttgcccca	gagtaccctt	tccccataaa	aggggggggg	cttggcctgc	ttcgggaact	300
tttgtgatct	acaagccatg	ggaactgccc	tttatgctgg	cagggtgggc	aaaagggtggc	360
cccaagcatt	tcaagg					376

<210> 1459

<211> 373

<212> DNA

<213> Homo sapien

<400> 1459

tacggctgcg	agaagacgac	agaagggggg	gccaatggga	aaggagggag	gggcagcctc	60
aatgccagcg	gacgaaggac	acccccaaat	tgtgctgctg	aggatatcaa	agccagccct	120
tcctccacca	acaaaaggaa	aaacaagcct	ccaatggagc	tggacctgaa	ctccagctct	180
gaggacaata	agcctggaaa	gcgtgtccgc	acaaattcca	gaagcactcc	cactaccctt	240
caagggaaac	caaagactac	ttttttggac	caaggctgct	cttctccagt	gtaaatcgac	300
tgtcccaccc	caacttgcac	aaaaagacaa	gcacataacg	ggctgaggga	ccacaggctc	360
atgcacactt	aaa					373

<210> 1460

<211> 382

<212> DNA

<213> Homo sapien

<400> 1460

cgttgctgtc	ggctgacttc	cggtggtgcc	aaagccgttt	ccgtggaatc	aggccggctg	60
gtgaggggtac	agaatggaac	aaaagtggga	ctttttaa	gttgccctgt	aagaagagaa	120
gaactacagt	gacagagtcc	ctacagcata	aaggcaatca	agaggaaaac	aacgtagacc	180
tagaatcagc	cgtaaaccac	gaatctgacc	agggttaagga	cttgatttcg	gtgtcactat	240
cctgggatcc	aagtcatggc	agagtagctg	gcttcgaagt	acagtctttg	caggatgcag	300
gaaatcagct	tggtagggag	gatacatctc	tgagctcttg	aatgctcacc	ccagaacaca	360
aaggtaccaa	ttctagaagg	tg				382

<210> 1461

<211> 408

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(408)

<223> n = A,T,C or G

<400> 1461

tacggctg	cg	agaagacg	ac	agaagggggc	attcggaggg	aagctgacat	ccacgccaag	60
tcgagacttc	cagggatgtg	gccggggagc	agtcacatgc	tgtagctttc	atgagcacag			120
gcatacgtca	ggcagatggt	tgtcgactgg	aatggcgcca	aatcttaaag	gcagaccacg			180
caaaaagaaa	ccatgcccac	aaagaagaga	ttcattcagt	gggtgtaagg	attccaacaa			240
caattccgat	ggcaaagccc	gtgccaagtg	aaatgtgagg	ccaagtcagc	cttgaccaag			300
ccgaaaataa	ccataacttg	taaaaagtct	canatgaaga	aaacccaagg	gttgcatctg			360
gtgaagagtg	caggccagat	gaacangctt	tctgggtggcn	ctttataa				408

<210> 1462

<211> 382

<212> DNA

<213> Homo sapien

<400> 1462

ggcacgagggc	catgcaccac	cattcatatt	tgctatgaaa	tgaagacagt	gcatggcaag	60
tacctggcct	gctacagagg	atcaactaaa	ttctttctgat	ccccgtccag	cccagagggc	120
cggttacagg	aggtgctagc	tcaggggctt	gagaatcctt	tccccctcag	cccctgggat	180
gggacctggt	gagccctcca	aatgtttcct	gggtccctcct	ggggcctggc	tcagtgtctg	240
ctttgggcac	agcgtcagat	gtgagaagag	gatggacagg	aggctgttgg	ctgctcctga	300
cccccgcccc	tctgccttgc	agggtaagac	cgtgatccaa	gcggagattg	acgctgcagc	360
ggaactcatc	gacttcttcc	gg				382

<210> 1463

<211> 352

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(352)

<223> n = A,T,C or G

<400> 1463

tctactgttg	cgataagacg	acagaagggg	cggaggggaaa	agcaaggtgt	tgtggggggg	60
ttgaattcaa	agatgaagaa	tttgtaaaga	aagccctaga	aactatgaac	aaatatgac	120
ttagtggaa	accccttaat	attaaagagg	gaggcctgag	gcgacggaga	gagatgggga	180
gcggctggtc	ggtggagcag	tcagaacatt	tattgattaa	gttcgctgtt	ttatttgggc	240
acggttgatg	gtgccccaaa	acaattaaaa	catcaaagat	cactgatcac	agatcaccat	300
aacagataat	aatgaagaag	gttgagatat	ttgatgaatt	acaaaaatgt	gn	352

<210> 1464

<211> 379

<212> DNA

<213> Homo sapien

```

<400> 1464
tacggctgcg agaagacgac agaaggggcg gaaggaaaat caaggggttg tgggtgtggtt      60
gaattcaaag atgaagaatt tgtaaagaaa gccctagaaa ctatgaacaa atatgatctt      120
agtggaagac cccttaatat taaagagggg gccctgagggc gacggagaga gatggggagc      180
ggctggtcgg tggagcagtc agaacattta ttgattaagt tcgctgtttt atttgggcaC      240
ggttgatggt gccccaaaac aattaaaaca tcaaagatca ctgatcacag atcaccataa      300
cagataataa tgaagaaggc tgagatattg catgaattac caaaatgtga tacggagaca      360
caaagtgagc acatgttg      379

```

<210> 1465

<211> 374

<212> DNA

<213> Homo sapien

```

<400> 1465
ggcacgaggc gaaatgagct cgggcgctgt cggcggcggc ggcgctgctg tggcggcgcg      60
gtcggacaag ggcagtcctg gggaggacgg tttcgtcccg tcggcgctgg ggaccgcga      120
gcattgggat gctgtctatg agagagaact gcaaactttc cgagaatatg gagatacagg      180
tgaaatctgg tttggagaag agagtatgaa tcgactaata aggtggatgc agaaacacaa      240
gattccactg gatgcttcag tgcttgatat tggaactgga aatgggtgtt tcctggttga      300
acttgcaaaa tttggtttct ctaatattac tggaattgat tactctcctt ctgcaattca      360
gctttctgga agta      374

```

<210> 1466

<211> 128

<212> DNA

<213> Homo sapien

```

<400> 1466
atctgcctgt gcctactcgg gcttttcttc tccccgtgtg gagtgggaagt ttgaccaagg      60
agacaccacc agactcgttt gctataataa caagatcaca gcttcctatg acgaccgcgg      120
agatcttc      128

```

<210> 1467

<211> 445

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (445)

<223> n = A,T,C or G

```

<400> 1467
ggtcaagtcg gcacgaggcg gcggccaggt gttggaggcc tttgctacgc ggtccgaggc      60
tttcattgca caccgcggct aatgccgccg ccacggctac agaaacgacc tcccaagacg      120
tcgcggcgac ccccgctcgc cggtacccgc cgattgtggc ctccatgaca gccgacagca      180
aaacttgacg gctgcggcgg atcgagcgct ggcaggcgac ggtgcacgct gcggagtcgg      240
tagacgagaa gctgcgaatc ctcaccaaga tgcagtttat gaagtacatg gtttaccgcg      300

```

```

agaccttcgc gctgaatgcc gaccgctggg accagtactt caccaagacc gtgttcctgt      360
cggggtctgcc gccgncccca gcggagcccg agcccagacc cgaacccgaa cctgaacctg      420
cgctggacct cgcggcgctg cgtgc                                           445

```

```

<210> 1468
<211> 410
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

```

```

<400> 1468
tacggctgcg agaagacgac agaaggggat aaaatggaat gacatcgaac ggaatggaat      60
ggaacagaat ggaattaaat ggactcgaat ggaattggct cgaatggaat agaatcaaat      120
ggaatgggat cgaatggaat agaatagacc aaaatgtaat ggacacaaat ggaatagact      180
caaataatat ggactcgaaa gtaatggctt cgaatggaat ttattttgat aagagtgaat      240
cgaatggagg caatagtatt gaaaggaata gatttgaatg gnatgagtgg aatggaacga      300
ctgaatagaa cgactcaata ttatgactgc atgaattgat tcgatgcaat gaatcgatgg      360
atgtaaccaa atgattgaat gatgcaacca ttgaaagatt gaagcatttn                    410

```

```

<210> 1469
<211> 399
<212> DNA
<213> Homo sapien

```

```

<400> 1469
ggcacgagac tctatctaaa tggttaaccac ctgaccaaat taagtaaagg catgttcctt      60
ggtctccata atcttgaata cttatatctt gaatacaatg ccattaagga aatactgcca      120
ggaaccttta atccaatgcc taaacttaaa gtccctgtatt taaataacaa cctcctccaa      180
gttttaccac cacatatatt ttcaggggtt cctctaacta aggtaaatct taaaacaaac      240
cagtttacc atctacctgt aagtaatat ttggatgac ttgatttact aaccagatt      300
gaccttgagg ataaccctg ggactgctcc tgtgaacctg ttggactgca gcaatggata      360
caaaagttaa gcaagaacac agtgacagat gacatcctc                               399

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```

<210> 1470
<211> 358
<212> DNA
<213> Homo sapien

```

```

<400> 1470
tacggctgcg agaagacgac agaaagggtt gtcggttatat tgggaacgat aaaaaaaatc      60
cttttttccg acccatgtgg accaagctgg cctcgaactc gtgccctgga acccccgcc      120
ccgtgagggc ccgagggcag gcgcaaccgg cctgagccac aatagctccg ggtgtcgggg      180
ctgtccttta gtccctttga tcttacgcaa ggtgagggag ccaatcacca gaggctcccc      240
cctgtcgtca ccagtcctc agggccagtg agggccctgc gttccatggc gccccctgga      300
gggaggaagg ggaactgtat ctgagagttc agtatctgac aataaggaaa aggcatag      358

```

```

<210> 1471

```

<400> 1471

<210> 1472

<211> 427

<212> DNA

<213> Homo sapien

<400> 1472

400 1472						
attcgaattc	ggcacgagga	gagatctggt	tttctttgtg	acactgaagc	tcataactaaa	60
atgtttccta	taaattagaa	ttccacaaaa	gagttgttgg	cagagacttt	tgtgctttgt	120
tttgttttgt	tgtctctcca	cagccatggt	tgggggagtt	cattgggtgac	aatttttaat	180
ggaaagaggc	tctcactttg	cggcccttta	gaggctgtgg	tgggcggtga	ttgctcacca	240
gaaaagctgc	tgtctcaccc	tccgctgtgc	acaggagact	gcgaaatttg	gccagctgtt	300
gagagctgat	gtttataggt	tgttttaaaa	caatccatgt	gacactctca	agacgagggtg	360
gaactgtag	aaaccaggat	atgtccagta	gtcccaggat	ggtgaagcag	agacaatagg	420
tcataat						427

<210> 1473

<211> 380

<212> DNA

<213> Homo sapien

<400> 1473

Sequence	Position
ggcacgagtg gaaacgttac ctggagcgag aggacagcaa gattgtggac ctgtttgtgg	60
gccagttgaa aagtgtcttc aagtgccagg cctgtgggta tcgtccacg accttcgagg	120
ttttttgtga cctgtccctg cccatcccca agaaaggatt tgctgggggc aagggtgtctc	180
tgcgggattg ttcaacctt ttactaagg aagaagagct agagtcggag aatgccccag	240
tgtgtgaccg atgtcggcag aaaactcgaa gtaccaaaaa gttgacagta caaagattcc	300
ctcgaatcct cgtgtccat ctgaatcgat tttctgcctc ccgaggctcc atcaaaaaaa	360
gttcagtagg tgtagacttt	380

<210> 1474

<211> 361

<212> DNA

<213> Homo sapien

<400> 1474

tacggctgcg	agaagacgac	agaagggagg	tgtatcctac	ggctgtgact	ttaaaaacag	60
gtttaaaagtg	gctgtgggtg	gggacatgaa	tcctggattt	cagccccccta	ttacacctga	120
cgtggagact	ttccaaaaca	ccgtaggaga	ttgcttcggc	atcgcaatgg	ttgcatttgc	180

```
<210> 1475
<211> 366
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G
```

```

<210> 1476
<211> 208
<212> DNA
<213> Homo sapien

<400> 1476
ttcgaattcg gcacgaggac taagtctggct acagggagtc cgcgcgctcg gccaggcagc      60
ctctgacaat agcgggccag aaggcctcta gagatatgcc gagacgcatt acatatggcc      120
gaccttgaga ggaaacgtac gaggagcttg ggtcactatg cgcacactgc caatagcaca      180
tggagaacgg gctctatctc gccgaggg                                     208

```

```

<210> 1477
<211> 393
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 1477
ggcacgaggt ggagtttaaat ttcctttaat agtctttaat tattccccctt cattctgcag      60
gcagtgggag gggaaggctt gcccgggtctc tctcagcaac ccaggggaccc tgcacatagc      120
ttaggtttca tccctgaata aaccgctgtg caggcccatg tccccctccca cagtagggaa      180
gacagctgcc acgggaggtt aatagcccgg agtgagggtca ctgagacatg cacaggcagg      240
ctggttcagc tgggctgcag ggcacgggca ggaggaagcc agcctaccct cttccccccac      300

```

```
<210> 1478
<211> 416
<212> DNA
<213> Homo sapien
```

```
<210> 1479
<211> 375
<212> DNA
<213> Homo sapien
```

```
<210> 1480
<211> 349
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G
```

$$\begin{array}{ll} \langle 210 \rangle & 1481 \\ \langle 211 \rangle & 361 \end{array}$$

<212> DNA
<213> Homo sapien

<400> 1481
 tacggctgcg agaagacgac agaaggggat gtgagctgtg tggatgaaat cctaaaagag 60
 atgacgcatt catggcctcc ccctctaacg gctattcata caccatgcaa aacagaacct 120
 tccaaatttc cttttccaac taaggagtct cagcagtgcca attttggcac tggagaacaa 180
 aaaagatata atccttctaa aacttcaaat gggcaccagt cttaatctat gttaaaagat 240
 gacttaaaac taagcagcag tgaagacagt gatggggaac aggattgtga taagacaatg 300
 ccgaggagta caccaggaag taactctgaa ccttcacacc ataatagtga aggagcagat 360
 a 361

<210> 1482
 <211> 460
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(460)
 <223> n = A,T,C or G

<400> 1482
 gcttgttctt ttggccgtag cggctctacgg ctgcgagaag acgacagaag gatacggcag 60
 cgagaagacg acggaagggt acggctgcga gaagacgaca gaaggggaatc tgtacaaatt 120
 attattttata taaatttagg aacaaggaaa caacaaaatg taaaactgga accacgccaa 180
 ttactggaaa tcaagtatat atggaagagt caagatcaaa taacccaaat ccccataaat 240
 tgtcaggagt ttgagagcag tctgtccaaa atagtgaaat cccatctcta ctaaaaacac 300
 aataatttagc caggcatggt ggcgcacgcc tataatacca agctactcgg aggctgagaa 360
 gggaggatca gtaaagccat ggaggtcgag gctgcagaag cagagactgt gcacttgact 420
 tgcagctggg gacagagtga gaacctgtcc anaaaaattn 460

<210> 1483
 <211> 427
 <212> DNA
 <213> Homo sapien

<400> 1483
 ccatcgattc gaattcggca cgaggaagca tgtccctgca tttaggcaat gaagtgtttg 60
 atgtgtacaa agccccactg cagggcgacc acaatcatct tttataaga caaggtactg 120
 gtctacaggg acaagcagtc tttaaaacga aactcacctt cagacctcac tctacggaca 180
 gtgccacaca tagaaagatg actctgtcac ttgcagatag gtgttcaaag acacagaaga 240
 ttagaatctt gccaatggct ggtcgtgata ctgaatgcca acgcacagaa atgattaaga 300
 aagaagaaga acgtttgagg gcttccatac gtagggaatc tcagcagcgc cgaatgagag 360
 agaaacagca ccagcggggg ctgagcgcca gttacctgga acctgatcga tacgatgagg 420
 aggagga 427

<210> 1484
 <211> 380
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

<400> 1484
 ggcacgaggt ttcattgctgg tttccagatt ttattgtttg gctacgtaca atggaaacttt 60
 aagtcatata tacatacata tatatatata tatatatata tatataattc taaggggggga 120
 aatgttatat ttttctgttt ctataagaga tgaatacagg ggacactttt tctattggta 180
 atgattgagt tcacctcttt cagaagacat tttctttctc ttctgagtaa ttgaaataaa 240
 atctggccct tgtgaaaccc tggaaatctt atgtctgttg aaataccacg ttaaacacac 300
 tccaagagat ctgttcacac tcacattctt ttgtatactt ctgaggcgcc tgagaaaaag 360
 acttcattat ttatgagaan 380

<210> 1485
 <211> 377
 <212> DNA
 <213> Homo sapien

<400> 1485
 tacggctgcg agaagatgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tggcgaaaaa acaacaaaag ggtacgggtt cgaaaaaaca acaaaagggt acggctgcga 120
 aaaaacaaca aaaggggtacg gttgcgaaaa aacaacaaaa gggtacggct gcgaaaaaac 180
 aacaaaaggg tacgggttcg aaaaaacgac aaaaggggtac ggttgcgaaa aaacgacaaa 240
 aggggtacggc tgcgaaaaaa cgacaaaagg gtacggctgc gagaagacga cagaagggtg 300
 cggctgcgaa aaaacgacag aaggggttcgg ctgctagaag acgacagaag ggtactgttg 360
 cgagaagacg actgatg 377

<210> 1486
 <211> 389
 <212> DNA
 <213> Homo sapien

<400> 1486
 cgttgctgtc ggtttcgtac gtagcagagc agctccctcg ctgcgatcta ttgaaagtca 60
 gccctcgaca caagggtttg tcttttgatt ttttttttcc taattgtgtg aacctttctg 120
 aaacagaaaag gaactttaaa agtgtggaag ggaaagcgaa ttgagctcat taacacatgg 180
 aatgtaatta tgcacaaatg tattcattac agtatttcag ctggttgaat gatatagaca 240
 cagttaattc caaagcataa agaaacaatt accctcaaag tataaatata atactaatca 300
 catggttcag ttaacaagaa ccatatatga gttatacttg aatcaaaagt gtaggcaggg 360
 actgggcaca gtggctcaca cctgtaatc 389

<210> 1487
 <211> 367
 <212> DNA
 <213> Homo sapien

<400> 1487
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggttacgg 60
 ctgcgagaag acgacagaag ggaccacaag tgacttgggg gaaggagaca aaatctggca 120

<223> n = A,T,C or G

<400> 1490
 gcctacggct gcgaaaaaac gacagaaggg gtaaacaatg aaattaaggc acaataaaaa 60
 aaaattttaa taaatgaaaa cagaggcaca ggtacccaaa cctctgggat gcaacaaaag 120
 tagtgtaaag aggaaatatt atagtgtctaa atacctaccg caagaagtta gaaagatccc 180
 aatttaaatga ttttaatacta cacctaaagg aactagaaca acaagaacaa acatttcaaa 240
 gctagcagaa gaagagaaat aactaaaata agagcacagc tgaatgaagt tgagacccag 300
 aaattaatat aatcaacaca actaaaaatt gggtatttga aaggatacac aagattgata 360
 gaccattagc tagattaaca aan 384

<210> 1491

<211> 382

<212> DNA

<213> Homo sapien

<400> 1491
 ggcacgaggc agcttgaggc aattacatat gcagcccagc aacatgaaac tttcctacct 60
 aatggagatc gtgctggctt cttaataggt gatggtgccg gtgtaggaaa aggaaggacg 120
 atagcaggaa tcctctatga aaattatttg ttgagtagaa aacgagcatt gtggtttagt 180
 gtttcaaagt acttaaagta tgatgctgaa agagatttaa gggatattgg agcaaaaaac 240
 attttggttc attcgttaaa taagttttaa tacggaaaaa tttcttccaa acataatggg 300
 agtgtgaaaa aggggtgttat ttttgctact tactcttcac ttattgggga aagccagtct 360
 ggcggcaagt ataaaactag gt 382

<210> 1492

<211> 385

<212> DNA

<213> Homo sapien

<400> 1492
 gctacggctg cgagaagacg acagaaggat acggcagcga gaagacgacg gaagggtacg 60
 gctgcgagaa gacgacagaa gggaatctgt acaaattatt atttatataa atttaggaac 120
 aaggaaacaa caaatgttaa aactggaacc acgccaatta ctggaaatca agtatatatg 180
 gaagagtcaa gatcaaataa ccaaaatccc cataaattgt caggagtttg agagcagcct 240
 ggccaaaata gtgaaacccc atctctacta aaaacacaaat aattagccag gcatgggtggc 300
 gcacgcctat aatcccagct actcgggagg ctgagaaggg aggatcagta aagccatgga 360
 ggtcagggtc gcagtaagca gagac 385

<210> 1493

<211> 402

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(402)

<223> n = A,T,C or G

<400> 1493
 ggcacgaggc caggacatct accggctcct tctgatggat tttgtgttct cttagtcaa 60

```

ttccttctctg ggggagtttc tgaggagaat cattgggatg caactgatca caagtcttgg      120
ccttcaggag tttgacattg ccaggaacgt tctagaactg atctatgcac aaactctggg      180
gtggattggc atcttcttct gccccctgct gccctttatc caaatgatta tgcttttcat      240
catgttctac tccaaaaata tcagcctgat gatgaatttc cagcctccga gcaaagcctg      300
gcgggcctca cagatgagga ctttcttcat cttcttgctc tttttcccat ccttcaccgg      360
ggncttgtgc accctggcca tcaccatctt gagattgaag cn                          402

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```

<210> 1494
<211> 398
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

```

```

<400> 1494
atccgttgct gtcggaaggc tgaggaggcc acggaggccc aggaggtggt ggaggcaacc      60
ccagagggggg aaggggtgga aggttttnan ccncccggn c tgatcttcaa taaggcggag      120
gtgagcgaag acgagccgct cagcaaggcg cagcgcacaa aagagaatag gcagaagggtg      180
aaggggaaca tttcgccggg gacccgtagg aactaccgtc cgctgttgga gcgcctgcaa      240
gcacgagcac atcctgctgc actagctgcc cgaccttgat gaggcaaagg ttaggagct      300
gtaagcgctg ctgatgtgca acacatttta ctgtgccgag atcgctcaca atatttcctc      360
cacaaccgca tagtcatcga ggaaatatct ggccaatg                               398

```

```

<210> 1495
<211> 369
<212> DNA
<213> Homo sapien

```

```

<400> 1495
ggcacgagac agaaggtctg acacaggaac tttgagaaga cgtgacagca atcccttcac      60
cttttgaatt gtcattggag ctatcaaaaag acaagaaaag tccattcggt ctctcaaattg      120
acagttacct gtaaaactag ctcatgtgat gagaccacag tatcattgca atgatagctg      180
tatctgtctt tttttttttt ttttttttga acgggcttac tttctttctt aaaaaagctt      240
tggttttgcc cccagctgg aaggcaaggg gggaatttg gggttaatgga accctcgttt      300
cccgggttaa aaaaattttt ctgccc aaac cctccggaga agggggggccc attacccccc      360
cccgtttat

```

```

<210> 1496
<211> 682
<212> DNA
<213> Homo sapien

```

```

<400> 1496
gaggagagaa gcaatatata aagaacgttg gccagattat gtaagggaac tgcgaagaag      60
gtattctgca agtactgtag atgttataga aatgatggag gatgataaag ttgatctgaa      120
tttgattggt gccctcatcc gatacattgt tttggaagaa gaggatgggt cgatactggg      180
ctttctgccg ggctgggaca atatcagcac tttacatgat ctcttgatgt cacaggtaat      240
gtttaaatca gataaatttt taattatacc tttacattca ctgatgccta cagttaacca      300

```

```
<210> 1497
<211> 389
<212> DNA
<213> Homo sapien
```

```
<210> 1498
<211> 422
<212> DNA
<213> Homo sapien
```

```
<210> 1499
<211> 368
<212> DNA
<213> Homo sapien
```

<400> 1499						
ggcacgagga	aaattcagga	cctttttgtg	gaactataag	tagcaaaaaa	aagaaaaaga	60
tgatgtatct	cacaaccaga	aatgcagaat	ttgaacgtca	tgaatccag	atatatgagg	120
aggtagccaa	aatgcctccc	ttccagagaa	aaacattagt	attgatagga	gctcaagggg	180
taggccgaag	aagcttgaaa	aacagggttc	tagtattgaa	tcccactaag	atttgaacta	240
cggggccatt	tactttactg	aaacccaagg	gaagagaaaa	aagatgggca	gcatataagt	300
ttgggtcacg	aactgagatg	ggagcagaaa	taaaacctcg	aaggatttga	acatggcgaa	360
taagaagg						368

<210> 1500
 <211> 405
 <212> DNA
 <213> Homo sapien

<400> 1500
 tgcgattcgaa ttcgggcacga gaagagaaat aggaggaggc tgcagctcct cgttttccagc 60
 tttggcgaaag atggatccac gtttcatctt taatcacgcc aggtccaggc ccatctgtct 120
 tgtttctctt gccgaggaga agacgggcct cgggtggcgac cattacctcg acacccgcta 180
 acaaatgagg cccggctcgg ccgcctccgc ctctgtact gccgctgctg gaagacagcc 240
 tggatttcct ttctttgtcc cccactcccg ataccagcg aaagcaccct ctgactgcca 300
 gatagtgcag tgttttggtc acggtaacac acacacactc tccctcatct ttcgtgcca 360
 ttcactgagg gccagaatga ctgctcacc cttccaccg tgggg 405

<210> 1501
 <211> 391
 <212> DNA
 <213> Homo sapien

<400> 1501
 ggcacgagcc cagaagagaa cctatgaggg agggaaatgcc ctggatgggg gcaggatgag 60
 gatgcctctg tagcaggcag agcttaccaa gtctctccga actcaaatgg aagaaatacc 120
 ttatgaatgt aagaatgtag ggggtcatgg cttgtaattt acacagtgt aatgaaacca 180
 tcctagagga ttatgaggaa tcctttctat gtgattttca atcatagcaa gcaagaaagg 240
 ctccagtgtc aaggtagttc agctcttaca ggatataaaa cagtcctatac ttgagagaaa 300
 aacttagatc tgagtgatgg aatgtgaagc aaatcttcaa aatcagtaga ctttctgga 360
 cataaaacac agatgaggaa agggcttcaa t 391

<210> 1502
 <211> 408
 <212> DNA
 <213> Homo sapien

<400> 1502
 cgttgctgtc gaatcccagc actttgggag gctgagatgg atggatcatg aagtcaggag 60
 ttcgagacca gcctggccaa gatggtgtac taaaaataca aaaattagcc gggcctgttg 120
 gcaggagcct gtaatcccag ttactctggg gactgaggca agagaatctc tggaaacccg 180
 gaggcaaagg ttgcagttag ctgtaatcgc gccattgcac ttcagtctgg gcaacaagag 240
 cgaaactcca tcttaaaaaa aaaaaaaaaa aaggggggtt tgcttgtcc cccagggttg 300
 agtgcagggg ggggattttg gttcactgaa gccttgacct cctgggctaa ggggatcctc 360
 ccacctcacc ctccaagta gctgaaactc caggcacagt gcggcctt 408

<210> 1503
 <211> 399
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

cgaattcggc	acgaggggca	ccagccccc	gctgacacct	cgaagtcct	cacactcggg	60
tgagcctttt	ggcctgcctg	gcttggagcc	agagcctggg	ggcccacagg	ctggggagcc	120
acccccacca	ctggcgggcg	acaagcccca	caagtgcct	gagtgtggca	agggcttcg	180
ccgaagctct	gacctggtga	aacaccatcg	tgtgcacaca	ggggagaaac	cctacctctg	240
tcctgaatgc	ggcaagggtt	ttgctgacag	ctcancctga	gtcaagcacc	tccgcaccca	300
ccgtggtgaa	cgggcccggc	caccaccacc	atccactctg	ctgcggccac	ataaccacc	360
tgccccagta	cccatggccc	ctcgaccccc	agttcgggg			399

<213> Homo sapien

tacggctgcg	agaagacgac	agaagggatc	acaacaccca	agtcccttca	aatacctgga	60
aagccttttc	aagaaaggtg	gcaaaaacaa	gcacagactc	tgaacactac	aacgaatacc	120
taactcttca	atgctcagac	accaatgaac	atccacaagc	atcaagagaa	tccaggaaaa	180
catgacttca	ctagaccaca	tgaggcacca	tggaccaagc	ctggaaggac	tgagatatgt	240
gacctttcag	atagagaatt	cagaatagcc	gtttaaggaa	actcaaagaa	ttcaggatac	300
acacagaggg	aatcagagtc	tatcagataa	ttagcaggaa	actgaataat	aa	352

<213> Homo sapien

tacggctgcg	agaagacgac	agaagggtac	ggctccgaga	agacgacaga	agggtagccc	60
tgcgagaaga	cgacagaagg	gtcttacaat	aatcctgtaa	gggaacatat	acctcttttt	120
ataaatgagg	aaattggggc	ttagctaagt	taacttgcac	aaggtcaccc	atgtagccaa	180
gaagcgttac	ctagcttaca	ttattaactc	atgccacttt	tattttttga	gacggagtct	240
cacctgtcg	cccaggctgg	agtgcaatgg	tgcgatctca	gctcactgca	acctccgcct	300
tcggggttca	agcgagtctt	gtgccttggc	cttctgagta	gctgggatta	caggcgtgc	359

<213> Homo sapien

cgttgctgtc	gaattgatac	agaaccatt	tctcagagtc	tttttttttt	tttaaaaaaa	60
attttctttt	taccaggggt	ggagggcaag	gggccaaact	tggtttattg	gaacctttgc	120
ccccgggggt	aaaggaaatt	tattgcttta	ccctccaggt	aagggtgaaa	taaagggtcc	180
tggcccaaaa	cccaggtaaa	ttattttttt	ttagtaaaaa	gggaatttac	ccttttgggc	240
ccgggggggt	ttaaacttcg	ggccttaggg	gatcccccg	ccttaccccc	ccaaaggggt	300
gggattaaag	gccggagact	ttgctcccc	cctttaaaaa	aaatggtaaa	cctaaaaacc	360
ccctt						365

<210> 1507

<211> 637
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(637)
 <223> n = A,T,C or G

<400> 1507

tacgtctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	agggtacggc	60
tgcgagaaga	cgacagaagg	ggcagtcctt	ccacttcagc	ctcccagagta	gctgggatta	120
caggtgcaca	ccaccatgcc	cagctagttt	ttgtagagat	ggggttttgc	catgttgccc	180
angctggnc	ccaactcctg	agctcaatct	atccgtcctc	ctcagcctgc	cgaagtactg	240
ggattacagg	cgtggggccac	cactcccggc	ttccaaggca	ggcattttaa	tgttataaat	300
agggagataa	gcaagaaccc	tgttggacct	ggtagaagca	aacatttatt	agtactatta	360
cgttggttaa	catatttgcc	gccctctata	ttcatgtcct	cccaaaatta	ttaaacaacc	420
tactcttata	gttatttggc	ttattttctca	cgaggaatat	aaattagtaa	atattattgg	480
gccgggcgcg	gtggctcatg	cctgtggggc	cagcactttt	ggccgaccag	cggaggaaga	540
ccaccaagcc	aggactttga	gaccggcttg	gccccacggg	gaagaccg	tggtactaat	600
aatacacaaa	aatgattggc	attgtggcgg	cggcccn			637

<210> 1508
 <211> 386
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(386)
 <223> n = A,T,C or G

<400> 1508

ccaggctgga	cgaggagcagc	tggagcggga	gcctggctgc	gtacccggcg	ctgcctcctg	60
ctgtgcaggt	ccccgaccct	ctctctgtcc	tcattgcgcc	cagacggggc	ggcccagagc	120
tcccgggtcg	tctttcgtgt	ggccgcgaga	cactcttgca	ctcctgtaat	gagcctggca	180
ctgtgatgaa	acacttttcc	cgtgtccgtt	gagtgcattc	tctcaacaac	cctaggaggg	240
ntcttgagg	cttttgagat	taacaatggc	aggaaaatca	tcacttttta	aaggaaatct	300
tctttgagat	ggtggagggtg	ggaagagtca	cttatgaaca	gaaatgttac	taataagttt	360
gaaaccagct	cttcatacaa	aggtgg				386

<210> 1509
 <211> 379
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(379)
 <223> n = A,T,C or G

<400> 1509

tacggctgcg	agaagacgac	agaagggtac	ggctggcgag	aagacgacag	aagggtacgg	60
ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	acagaagggt	acggctgcga	120
gaagacgaca	gatagggtac	ggctgcgaga	agacgacaga	agggtacggc	tgcgagaaga	180
cgacagaagg	gtacggttgc	tagaagacga	cagaagggtg	cggctgcgag	aagacgacag	240
atggatacgg	ctgctagaag	acgacagatg	ggtacggctg	ctagaagacg	acagaagcgt	300
gtggcgtgct	cctgtagtcc	cagctactta	ggaggctgag	gccggagaat	tgctttgtat	360
caggaggcag	aggttgctn					379

<210> 1510

<211> 368

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(368)

<223> n = A,T,C or G

<400> 1510

gaaggcggct	acggctgcga	gaagacgaca	gaagggataa	gtctaatacc	aaattagaaa	60
ctctagaaat	aaatatcagt	gaaacttaaa	gcacagcaat	ataaagtatc	taagctgaag	120
cacagaaaaga	ataaactata	caaagatgac	tggagtccat	catccaaaag	ctcctagatc	180
tgatacacaa	atccattata	gtctcaaaat	acaaaatcag	catacacaaa	ttagtagcac	240
tgctgtacac	caacaacgac	caagctgaga	atcanatcaa	gaactcattt	ccttttacia	300
cagctgccga	aatataata	ctaaggatat	acttacccaa	gaagtgatag	accccaaaag	360
aaaactag						368

<210> 1511

<211> 383

<212> DNA

<213> Homo sapien

<400> 1511

tacggctgcg	agaagacgac	agaagggtta	tacaagtggc	aagaagagga	cagtggacca	60
gctcctggga	ccttccaaaa	cattggcttt	gacatctgcc	aagatgatga	ttccatccac	120
ctggagtcca	tctatagtaa	tttccagccc	tccttgagac	acatagaccc	tgaaacaaag	180
atccgaattc	agaggcctca	ggtaatgacg	acatcatttt	aaggcatgga	gctgagaagt	240
ctgggagtga	ggagatccca	gtccggctaa	acttgggtgga	gcattttccc	attgagagcc	300
ttccatggga	actcaatggt	cccattgtaa	gtacaggaaa	caagccctgt	acttaccaag	360
gagaaagagg	agagacagca	gtg				383

<210> 1512

<211> 223

<212> DNA

<213> Homo sapien

<400> 1512

ggcacgaggg	gccacagccg	gaggacgccc	cgggcgcggt	cggggagccc	tgcggtcttt	60
cctatgagca	ctatgagagt	aggaagaaga	agaaaaggag	atcagcgtcc	agacctcggg	120
gaagggagtg	ctccccacc	agcagcctgg	agaggctctg	caggcacaag	catcagcggg	180

aacgcagcca cgagcggcca gacaggaagg agagtgtggc gtg

223

<210> 1513
 <211> 358
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(358)
 <223> n = A,T,C or G

<400> 1513
 tacggctgcg agaagacgac agaaggggtcg cgcggattgc tctccagcct gggagacaag 60
 agcaaaactc caactcanaa aaaaaaaaaa aaaaaccggy gaaaaaattt ttggggggtt 120
 ttattttaaaa aaaaaaaaaa atttttttcc ccaaaaaaag gggggggatt tttaaatttt 180
 gaaaaagggg ggggaaatcc aaaaaaaaaa ttttttctgg aaagaaattt cccttcaaaa 240
 aaccctggaa aaaccggga ccccccttc tttaaaaggg aaccctttg ggggaaaagg 300
 ggcttggttg ggaaccctta atttaaaaaa agccctaaag gggcttttct ttttggcg 358

<210> 1514
 <211> 366
 <212> DNA
 <213> Homo sapien

<400> 1514
 tacggctgcg agaagacgac agaaggggtat gggcctgtgg taaaggtggt gtttgaccgc 60
 ttaaaaggca tggccctggg tctctacaat gaaattgaat atgcacaagc agctgtaaaa 120
 gagaccaaaag ggaggaaaat cggtgggaat aaaattaagg tggattttgc aaatcgggaa 180
 agtcagctgg ctttttatca ctgcatggag aaatctggtc aagacatcag agacttttat 240
 gaaatgttag ccgaaagaag agaggaacga agggcatcct acgactataa ccaagatcgt 300
 acatattatg agagtgttcg aactccaggc acttatcctg aggattccag gggggactat 360
 ccagct 366

<210> 1515
 <211> 403
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(403)
 <223> n = A,T,C or G

<400> 1515
 ggcacgagct caaccctgc actgggctag ttctaaagag gaaatgtctc tacgctgcgg 60
 ggatgcagcc cgcaccctgg ggccccgggt atttgggaga tatttttgca gccagtcag 120
 accggtaagc tccttgccag ataataaaaa ggaactccta cagaatggac cagaccttca 180
 agattttgta tctggggatc ttgcagacag gagcacctgt gatgaatatt aaggaaacct 240
 aaatccccgc tagcgggaaa ggtagacta cctccatggc taaagacaga gattcccatg 300
 gngaaaaatt acaataaact gaaaaaact ttgcggaatt taaatctcca tacagtatgt 360

gaggaagctc gatgtcccaa tactggagag tgtaggcgag gtg

403

<210> 1516
<211> 383
<212> DNA
<213> Homo sapien

<400> 1516
ggcacgagaa tgggattgac ctgtatgcct gctctgccga gatgagagca gatggaatga 60
gttggtgacc cctcttaatc tgtagcctca gggaaacacg gctacccaat gccaagatgg 120
taaaccctca actcgaagag taagatcagg acgtatgctt aagggtgaag gctgaggagt 180
agctggtagg cagtatgttt gccagtgaca ttgaagggtga gagaaacaaa aattacaaat 240
gaatttatct tctcaattct gtggtagaag tggtacaggg aggcctttgt tcttagagct 300
cccaagatgg tgggtggccac tccaagatg gcagcaagcc ttttgttctc tgacctgggg 360
ttcttgacct caccgattcc aaa 383

<210> 1517
<211> 353
<212> DNA
<213> Homo sapien

<400> 1517
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtaattcctg ttgcagactt cttatagccc caaggagaaa 120
aaaaaatcta ttgactgttg tttttgttca gttctaatta taattgaaaa ggtactcgca 180
ccaactttaa atcccttatg tccacactgt atgcaaaaat cagaaaggggt tatgaaaata 240
cactctctc tgataatttc catagatatt tcaactgcat atccatgttt ttaaacctaa 300
atctcagcct ttgcacatat ttgacacta ggaagtgagt gagggagggc aat 353

<210> 1518
<211> 390
<212> DNA
<213> Homo sapien

<400> 1518
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gatttcttag catatgctcc ctttttgatc ttctgccaat 120
gtttccatct tattatatta aatatgatat atgaatgtaa tttaaattcc atatacttga 180
gcaaatatga gacaaaattc cttttcatgt taatatttaa tccaataaac tatcacttga 240
ctttttgtaa ctatacatca tagaacatac atatctctca gttatatctc ttaatctagt 300
tttttggtt aatgtatata tgtgaaaatt tatattttta ctcaaggtaa aagcaatata 360
ttaaacaagt atgggaaaat acatatgaga 390

<210> 1519
<211> 367
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(367)

<223> n = A,T,C or G

<400> 1519

tacggctgcg	agaagacgac	agaagggact	gcactcatgg	ccaacggcac	cataactcat	60
gcctgaaaga	aacttatctg	acacatgaac	tttctttata	aggcacatca	cagccttggt	120
gctcttgatga	acattagaca	gcacttttagc	actgtgttta	ggggtcattt	aaagagtga	180
atcaccaata	caaagcaca	aaatgtgaag	atatgtgata	ctaaacagac	cacaaaaagg	240
acactttaca	gtatgagact	ggagacacac	aggcagactg	ttaccttggt	caatttcaan	300
ctgaaagggtg	ctttctggng	cacttaaact	ctttgtcaaa	agatcttgan	agtgcagag	360
tgtgggtt						367

<210> 1520

<211> 352

<212> DNA

<213> Homo sapien

<400> 1520

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgacaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggagctt	gaaaatcact	gttctgcttg	gttttaagaa	attcaaaggc	180
caggcgagct	ggctcacacc	tgtaatccca	acactttggg	aagctgaggc	aggtggatca	240
cctgaggtca	ggagttcgag	accaacctgg	ccaacatggg	gaaatcccat	ctctactaaa	300
aatacgaaaa	ttagcccggc	gtgatggcga	gcacctgtaa	tcccagctac	ct	352

<210> 1521

<211> 383

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (383)

<223> n = A,T,C or G

<400> 1521

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gagaaatcag	aaaaattcga	gatctctcaa	atcaggaaga	120
acagtacaat	cgattcatga	aattgggttg	tggcaagagg	agatcaagaa	gtaaatcttc	180
agatcctgac	ctgaggcgat	ccttagataa	gcaacctact	gatagtggag	gaggcattta	240
tcagtatgat	aactatgaag	aagttgctat	ggatacagat	agtgaaacca	gttctccagc	300
tccttcacca	gtgcaaccgc	cattttttctc	tgaatgttca	ttgggggtatt	tttctccagc	360
accatctctt	tctttgcttc	can				383

<210> 1522

<211> 363

<212> DNA

<213> Homo sapien

<400> 1522

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gcaaaaatag	gaaacttaga	tgtaacttag	cacttttttt	120

```

tttttttttt ggaagggggg cccccctttg cccccaacgg ggggggaggg gggccattta      180
aggtccaggc caccttgggc ttcggggtaa agccgggttt ttgcgccaa cccccgggga      240
gcggggaaaa cgggcccccc ctcccccccc ccgggattta attatttttt ttgaaacaa      300
gttccccctt ttccccaggt gggccggggg ggggattttg taaatggacc ctcccccccg      360
gtg

```

```

<210> 1523
<211> 373
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

```

```

<400> 1523
tacggttgcg agaagacgac agaagggtag ggggtgcgaga agacgacaga agggtagggc      60
tgcgagaaga cgacagaagg gaacggctgc gagaagacga cagaagggta cggctgcgag      120
aagacgacag aagggtacgg ctgcgagaag acgacagaag agtacggctg cgagaagacg      180
acagaagggc aaatacattg gtcttattgg acgtcacctg atcaaategt ttctgttctc      240
ttctctattt gccccacccc caccttctgt caaaataacc tatcactgta atctccaagt      300
tccttccaaa ctctagctta tcaaggctga gntatttcat attgctctct tagctcttct      360
tcacacaact tcc

```

```

<210> 1524
<211> 395
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

```

```

<400> 1524
ttcggcacga ggtggggagg gcaggtgctg cgccgcggga ggtcacagtt cgaccttct      60
gttgctctct ggagacttga cggcgggagc tcgtgtaggc caccatcg gtagccacc      120
cccttccccg aggctaaggg aggcattgcc tggtagcggc ggctcctggc attacatgag      180
tggcctgtga gaccaggcct gccattgaca gtcttccaa gtctccgtcc ccttccatcc      240
tccccctccc tctgactctt ctcttttccc agcctacctc tctctcccc tggccctgcc      300
cagccagagg aggagcccc ccgaggagcc acctgacttc tgctgtccca agtgctttaa      360
agcccgttca agctgtatag ttgcacacc catcn

```

```

<210> 1525
<211> 355
<212> DNA
<213> Homo sapien

```

```

<400> 1525
tacggctgcg agaagacgac agaagggtag ggctgcgaga agacgacaga agggttcggc      60

```

tgcgagaaaa	cgacagaagg	gtacggctgc	tagaagacta	ctaaggggtac	ggctgcgaga	120
agacgacaga	aggggtgcggc	tgcgagaaga	cgacagatcg	gtacggctgc	gagaagacta	180
cagaagggtta	cggctgcgag	aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	240
ggtacggctg	cgagaagacg	acagaagggt	atgatccaat	aacgtcatat	ttttatcatt	300
acatgtgaaa	attttattcc	caaaacacaa	aacataataa	attgtaattc	tgttt	355

<210> 1526
 <211> 394
 <212> DNA
 <213> Homo sapien

<400> 1526						
cgttgctgtc	ggtgatgtta	aagttttttc	acataccttt	tggccatttg	tatgtcttcc	60
tttgagaaat	gtctattcca	gtcatttgcc	cattttttta	tcaggttatt	tgttttcttg	120
ctatcgagtt	gtttgtgttc	tttatatatt	ttgtatatta	gcccccttct	aggttctctg	180
ttctgttcca	ttggtgtata	ctgtttttat	gccagtacca	ggctgttttg	attactttag	240
ctttgtagta	tactttgaga	tcagggtgata	tttacctgcc	tctttgttca	tttccttaag	300
ctttatttgc	ctattcaagg	tcttttggtta	ttccacatga	attttaggat	tcttttctct	360
atttctgtga	aaaatgtcat	aagaattttg	atag			394

<210> 1527
 <211> 364
 <212> DNA
 <213> Homo sapien

<400> 1527						
tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	agggctgtta	60
tgtgtgcaag	aagagtttca	aaagctccta	cagtgtgaaa	cttcactaca	ggaacgttca	120
cttgaaagag	atgcacgtct	gcacagtggc	tggttgcaat	gctgcattcc	cctctcgccg	180
aagccgagac	agacacagtg	ccaacataaa	cctacatcgt	aaactgttga	ccaaagaact	240
cgatgacatg	ggcctggact	cgtcgcagcc	ctcccttagc	aaggacctcc	gcatgaatt	300
tttggtgaag	atatatgggt	cccagcacc	catggggctc	gacgtcaggg	aagacgcctc	360
ctct						364

<210> 1528
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 1528						
ggcacgagct	caacccctgc	actgcgctag	tcctaattag	gaaatgtctc	tacgctgcgg	60
ggatgcagcc	cgcaccctgg	ggccccgggt	atttgggaga	tatttttgca	gcccagtcag	120
accgttttagc	tccttgccag	ataaaaaaaaa	ggaactccta	cagaatggac	cagaccttca	180
agattttgta	tctggtgatc	ttgcagacag	gagcacctgg	gatgaatata	aaggaatacc	240
tataacgcca	gaaaggagaa	aggctaagac	tacctccatg	gctatagaca	gagattccca	300
tggggaaaaa	ctacaattaa	ctgagcaata	ctttgcggaa	tctaaatctg	catcacagtat	360
gtgaggaagc	tcgatgtccc	aatattg				387

<210> 1529
 <211> 396
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 1529

```
acggcacgag ctcaaccctt gcaactgcgt agtgctaaag aggaaatgtc tctacgctgc      60
ggggatgcag cccgcaccct ggggccccgg gtatttgga gatatttttg cagcccagtc      120
agaccgttaa gctccttgcc agatagaaaa aaggaactcc tacagaatgg accagacctt      180
caagattttg tatctggtga tcttcagac aggagcacct gggatgaata taaaggaaac      240
ctaaaacgcc agaaaggaga aaggttaaga ctacctccat ggctaaagac agagattccc      300
atggggaaaa attacaataa actgaaaaat actttgcgga atttaaattc ccatacagta      360
tgtgaggaag ctcgatgtcc caatattgga gagtgn                                396
```

<210> 1530

<211> 398

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(398)

<223> n = A,T,C or G

<400> 1530

```
ggcacgagga gagatctggt tttctttgtg aactgaagc tcatactaaa atgtttccta      60
taaattagaa ttccacaaaa gagttgttgg cagagacttt tgtgctttgt tttgttttgt      120
tgtctctcca cagccatggt tgggggagtt cattggtgac aatttttaat ggaaagaggc      180
tctcactttg cggcccttta gaggctgtgg tgggcggtga ttgctcacca gaaaagctgc      240
tgcttcaccc tccgctgtgc acaggagact gcgaaatttg gccagctgtt gagagctgat      300
gtttataggt tgctttaaaa caatccatgt gacactctca agaagagggt gaactgtaag      360
agaaccagga tatgtccagt agtcccagga tgggtggan                                398
```

<210> 1531

<211> 434

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(434)

<223> n = A,T,C or G

<400> 1531

```
atcccatcga ttccaattcg gcacgagctg ggcttctcca acaccatgta ctcaagacta      60
ggggagatca tcagcatgga tgggtccatc actgtgacct tggcagcgca ccaggctatt      120
ggcctcaagg ggatcatctt ggctggcact gaggagcaga aagccaaata cttgcctaaa      180
ctggcgctccg gggagcacat tgcagccttc tgcttcacgg agccagccag tgggagcgat      240
gcagcctcaa tccggagcag agccacacta agtgaagaca agaagcacta catcctcaat      300
```

```

ggctccaagg tctggattac taatggagga ctggccaata tttttactgg tgttgcaaag    360
actgangtcg ttgattctga tggatccagt gaagacaaat cacagcattc atagtagaaa    420
gagactttgg tgag                                                    434

```

```

<210> 1532
<211> 149
<212> DNA
<213> Homo sapien

```

```

<400> 1532
cgcataggat cacgcgtagg tgagggatga ttttttatac agacagaatc tcactatggt    60
gcctaggctg gtcctgaact cctgggctca agcaataccc ctgcctcaac cccccagat    120
gctgggatga taggcgtgag ctaccacac                                     149

```

```

<210> 1533
<211> 597
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (597)
<223> n = A,T,C or G

```

```

<400> 1533
tacggctgcg agtagacgac agaaggggtac ggctgcgaga agacgacaga aagggtacggc    60
tgcgagaaga cgacagaagg gtacggctgc  gagaagacga  cagaagggcg  cccaggctgg    120
agtgcaatgg cgcgatctcg gctcactgca agctccacct cccgggttca cgccattctc    180
ccacctcagc ctcccgagta gctgggacta caggcacctg ccaccacacc cggctaattt    240
ttttgtattt tttattagag aaggagtctt accgtgttag ccaggatggt cttgatattc    300
tgacctcatg atctgcctgc ctcggcctcc caaagtgcgt ggattacagg catgagccac    360
cacgcccggc aattcctttt atcttctaag aacctgacta aacacctcct ccctttgagc    420
cctccatgta ttgagnctat attatctcta tttttccatg gtttagctta gagctactga    480
cattttactc catgagacaa acatttggca ctggctggat attacttatc tataggagaa    540
tacgctctag gagctggcca cactacagta cttattgttc tgatatgcac cctggcg     597

```

```

<210> 1534
<211> 638
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (638)
<223> n = A,T,C or G

```

```

<400> 1534
tactgctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc    60
tgcgagaaga cgacagaagg gtacggctgc  gagaagacga  cagaagggta  cggctgcgag    120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg    180
acagaagggg acggctgcga gaagacgaca gaagggggct gatgccattt tcagcctcag    240

```



```

cacgcctgca cccagggcgt cattaaaaa gcatgttgct cccactgcc tcgtgttgct 300
tggtggcgcg ctgtcggggt tcgaaccgat acaagaacct tccacctacc tgggtgctttg 360
gcctcatcta taagcttttc cactgtcctg aaacaagata gagaatctga gcggncagtc 420
atctgccctt agtgctgccg ccgaaggctg aatgtcctgg aaagtttgct gcacatctcc 480
atcatgacaa aagcattgtg ccgaacagat gaaaaaatgc attggtcacg ggatcttttt 540
atgttgntng tcttnttttt naagcacatt gcttactttg tatannagaa aataaatatt 600
tgtcatttca naanaaaaaa aaaaaaaaaa aaaaaaan 638

```

<210> 1535

<211> 635

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(635)

<223> n = A,T,C or G

<400> 1535

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tattgttgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaagggt acggctgcga gaagacgaca gaagggaata gagttgttaa ctctcatctg 240
gggagagccc tgagatctac agtaaaagctc ttggccagaa tatcagaggt ctttaaagga 300
gggtggaattt ctctattat agaaatcatc ggccaggcgc ggtggctcac gcttgaatc 360
ccagcacttt gggaggccgt ggcaggtgga tcacgaggtc aggagttcan gaccagcgcg 420
gncaacatag tgaaaccccg tctctactaa aaatacaaaa attgggccgg gtgtgggtggc 480
acacgcctgt agtcccagct actcgggagg ctgatgtggg agaaactgct gaccangaa 540
gcacaagttg antgagctga gacatgcatt gactctagcc tggggacaga gtgaactctg 600
tcgcaaaaaa aaaaaaaaaa aaaaaaagg ggcg 635

```

<210> 1536

<211> 618

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(618)

<223> n = A,T,C or G

<400> 1536

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tacggctgcg agaagacgac agaaggggtac ggctgggaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg atacggctgc gagaagacga cagaagggtta cggctgcgag 120
aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaaggat acggctgcga gaagacgaca gaagggtacg gcctgcgaga agacgacaga 240
aggggtacggc tgcgagaaga cgacagaagg ggggcatggt ggtgcgcacc tgtaatccca 300
gctactcggg aggctgtggc acgagaactg cttgaacccg ggaggcagag gttgcagtga 360
cctgagatgg cgccactgta ctccagtctg ggagacagag caggacttca tcntcaaaaa 420
aaaaaaaaa aaaaaaaaaa aagggggggc ttttctgtt accccacact gggaagatct 480
ttgggggggtt gggcaccccc ccctttaggg gcgggaaaaa aggttttttt ggaaattggg 540

```

gagtttgttt tttttgccct ctttacggcg gaaaaacaag taaaccacct ttggtttttt 600
 tttgttttgg tggggggg 618

<210> 1537
 <211> 640
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(640)
 <223> n = A,T,C or G

<400> 1537
 tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaagggt acggctgcca gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 240
 ggggtacggct gcgagaagac gacagaagggt tacggctgcg agaagacgac agaagggtatt 300
 gatattcagg atcttttaaaa gcgactgata tctcattcca cataagggtgc atttctaact 360
 tagatgtgca gcaagtgtca tcctctatatt gtagatatat aatgcctgca atgtacagga 420
 ggtagccaac aaaagctcta atatgatata acatctatga agcacattat gttttcttta 480
 aaaagcagct tcacatgtat tattttttatt taatctttct cacaatatta tgggtcagna 540
 gaaaagagna tagaaccttg attaccangg acccttcaac agacctcttt gcctacagat 600
 atgcaccttt atttagaaat agacatattc ttatttgcgc 640

<210> 1538
 <211> 633
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(633)
 <223> n = A,T,C or G

<400> 1538
 tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaagggt acggctgcca gaagacgaca gaagggtacg gctgcgagaa gacgacagat 240
 ggggtacggct gcgagaagac gacagaagggt tacggctgcg agaagacgac agaagggtac 300
 tgctgcgaga agacgacaga aggggtactgc tgcgagaaga cgacagaagg gtacggctgc 360
 gagaagacga cagaagggtta ctgctgcgag aagacgacag aagggtaccg gctgcnagaa 420
 gacgacagaa ggggtacgnt gcgagaacac gacagaaagg cgctgtgggt catgcctgta 480
 tcccagcact ttggaggctg atgcagtgga gcacttgggt catgagttca aacagcctgc 540
 ccacatggtg aaacctgctt actaaaatta caaaaaatta gcggcgtggg gtgcatgcct 600
 gtattcactt cttggaaggt ggaggaggtg atn 633

<210> 1539
 <211> 611

<212> DNA

<213> Homo sapien

<400> 1539

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	gggtacggctg	cgagaagacg	180
acagaaggggt	acggctgcg	gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	240
gggtacggct	gcgagaagac	gacagaagg	tacggctgcg	agaagacgac	agaaggggtac	300
ggctgcgaga	agacgacaga	aggggtacggc	tgcgagaaga	cgacagaagg	gtgatgggtgt	360
gcgactgtta	ttacatgtgc	tcgggagggt	tatgcccag	aatactttga	ccccgatgc	420
ccaggttgtt	tgagcccca	tgatcctttg	attccatctg	gcgacgaagc	agacttgttt	480
caaataaaaa	aaaaaaaaa	agggcggcgt	ttttcggttt	tcacttggaa	aaatttgtgg	540
ggggggggccc	cccttcaccg	cggaaaagggg	gttttgggat	tggaactttg	ttttttgcct	600
tttggcggaa	a					611

<210> 1540

<211> 612

<212> DNA

<213> Homo sapien

<400> 1540

tactgctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	gggtacggctg	cgagaagacg	180
acagaaggggt	acggctgcg	gaagacgaca	gaaggatagc	gctgcgagaa	gacgacagaa	240
gggtacggct	gcgagaagac	gacagaagg	tacggctgcg	agaagacgac	agaaggggtac	300
ggctgcgaga	agacgacaga	aggggtacggc	tgcgagaaga	cgacagaagg	gtacggctgc	360
tagaagacga	cagaatggta	ccgctgcgag	aagaccacag	aaggaaccgg	ttgaagaaga	420
ccacagaagg	tggggcaaaa	aagacttttt	tcttttcttt	tcttttcttt	ttttttttta	480
gaaggggggt	tatttttggc	cccgggtgga	gggaaaacat	gattgggctc	attgaacttt	540
gccccggta	aggaatcttc	cccctacccc	cccagggggg	ctcggaaaaa	aaaaataaaa	600
aaaaaggggg	gt					612

<210> 1541

<211> 628

<212> DNA

<213> Homo sapien

<400> 1541

tactgtctgc	gatatagacg	acagaaggggt	acggctgcg	gaagacgaca	gaaggggtacg	60
gctgcgagaa	gacgacagaa	gggtacggct	gcgagaagac	gacagaagg	tacggctgcg	120
agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	tgcgataaga	180
ctacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	aagacgacag	240
aaggggtacgg	ctgcgagaag	acgacagaag	gggtactgctg	cgagaagacg	acagatgggt	300
acggctgcg	gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	gggtacggct	360
gcgagaagac	tacagaagg	tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	420
gacgacagaa	gggtcggctg	cgagaagact	acagaaggggt	acggctgcg	gaagataccg	480
aaggggtacgg	ctgcgagaag	actacaaaag	gggtacggctg	cgagaagacg	acagaggcgg	540
cttaagtgtt	cttatgtttc	atctccagg	gctgggatac	agaaccgcga	cacttcagtt	600
ttttttgttt	ttttagaacg	tgtttgcg				628

<210> 1542
 <211> 613
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(613)
 <223> n = A,T,C or G

<400> 1542
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaagggt acggctgcca gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240
 ggggtactgct gcgagaagac gacagaagggt tacggctgcg agaagacgac agaaggggtac 300
 tgctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtactgctgc 360
 gagaagacga cagaagggtta cggctgcgag acgacgacta aagggtaccg ctgcgagaga 420
 cgacataagg gacggctgcg agagagacat atgggacggc tgcgagaaga gacataatgg 480
 tacggttggg gaagacacat aatgggatac ctgangcagg gagttcagaa cagcttgcca 540
 catagtaaac cctgtcttct aaaatacaaa ttacgaggggt gtgcgcaccc tgtatccact 600
 cttggaggta gga 613

<210> 1543
 <211> 360
 <212> DNA
 <213> Homo sapien

<400> 1543
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaagggt acggctgcca gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240
 ggggtacggct gcgagaagac gacagaagggt tacggctgcg agaagacgac agaaggggtac 300
 tgctgcgaga agacgacaga aggggtactgc tgcgagatga cgacagaagg gtacggctgg 360

<210> 1544
 <211> 387
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(387)
 <223> n = A,T,C or G

<400> 1544
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180

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<210> 1545
<211> 363
<212> DNA
<213> Homo sapien
```

```
<210> 1546
<211> 360
<212> DNA
<213> Homo sapien
```

```
<210> 1547
<211> 370
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(370)  
<223> n = A,T,C or G
```

<400> 1547						
cgcctacggc	tgggagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaaggata	60
cggctgggag	aagacgacag	aaggatacgg	ctgcgagaag	acgacagaag	ggtagcggctg	120
cgagaagacg	acagaagggg	acggctgcga	gaagacgaca	gaagggtacg	gctgcgagaa	180
gacgacagaa	gggctggctc	atgcctgtaa	tcctagcact	ttgggaggcc	aagggtgggcg	240
gatcacctga	ggtcaggagt	tcaagaccag	cctgtctaac	atggcgaaac	tccatctcta	300
ctaaaaatat	aaaaacaagc	caggcatggg	ggctcatgcc	tgtaatccca	gctacttcgg	360
aggctgaggn						370

<210> 1548
 <211> 424
 <212> DNA
 <213> Homo sapien

<400> 1548
 tacggctgcg agaagacgac agaaggggtac ggctggcgag aagacgacag aagggtacgg 60
 ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 120
 gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac 180
 gacagaaggg tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga 240
 aagggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaaggggg 300
 tggcgtgctc ctgtagtccc agctacttat gaggctgagg caggagaatt gcttgtattc 360
 aggaggcaga ggttgcagtg agtcgagatc gtgccactgc actgcattct gggcaacaaa 420
 gcag 424

<210> 1549
 <211> 387
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(387)
 <223> n = A,T,C or G

<400> 1549
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aagggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaagggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gactacagaa 240
 ggggtacggct gcgagaagac tacagaaggg tacggctgcg agaagactac agaaggggtac 300
 ggctgcgaga agactacaga aagggtacggc tgcgagaaga ctacagaagg gtacggctgc 360
 gagaagacta cagaagggtta cggctgn 387

<210> 1550
 <211> 365
 <212> DNA
 <213> Homo sapien

<400> 1550
 tacgtgttgc gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg 60
 ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 120
 gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac 180
 gacagaaggt tacggttgcg agaagacgac agaaggggtgg ctcatgcctg taatcccagc 240
 actttggaag gctgagacgg gcggatcacc tttaggcagg aatttgagac cagccttgcc 300
 aacatgtgga aacccaacc ctactataaa tacaaaaaaa ttagccggtg gttgtgccgc 360
 acacg 365

<210> 1551
 <211> 362
 <212> DNA

<210> 1555
 <211> 362
 <212> DNA
 <213> Homo sapien

<400> 1555
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaaggggt acggctgcca gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240
 gggggcatgg tgactcatgc ctattatccc agcacttttg gaggctgagg cgggcagatc 300
 acctgaggtc aggagttcga gaccagcctg gccaacatgg tgaaaccctg tctctactaa 360
 aa

<210> 1556
 <211> 356
 <212> DNA
 <213> Homo sapien

<400> 1556
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaaggggt acggctgcca gaagactaca gaaggggtacg gctgcgagaa gactacagaa 240
 ggggtacggct gcgagaagac tacagaagggt tacggctgcg agaagacgac agaaggggtac 300
 ggctgcgaga agacgacaga aggggtacggc tgcgagaaga ctacagaagg gtacgg 356

<210> 1557
 <211> 362
 <212> DNA
 <213> Homo sapien

<400> 1557
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acaacagaag ggtacggctg cgagaagacg 180
 acagaaggggt acggctgcca gaagacaaca gaaggggtacg gctgcgagaa gactacagaa 240
 ggggtacggct gcgagaagac tacagaagggt tacggctgcg agaagacaac agaaggggtac 300
 ggctgcgaga agactacaga aggggtacggc tgcgagaaga cgacagaaaag gtacggctgc 360
 gg

<210> 1558
 <211> 376
 <212> DNA
 <213> Homo sapien

<400> 1558
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aagggtgaat ataaatcgtt ctattataaa gacacatgca cctgtatgtt 180


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cactgcagca ctgttcacaa tagtaaaaac acaggaacaa cctaaatgcc tgtcagtgat      240
agactagata aagaaaatgt ggtacgtata caccatggaa tactatgcag tcttaaaaag      300
gaatgagagc atgtccttta cagggacatg aatggagctg gaggccatta tcttagtaaa      360
ctaacacagg aacagg                                     376

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```

<210> 1559
<211> 341
<212> DNA
<213> Homo sapien

```

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<400> 1559
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc      60
tgcgagaaga cgacagaagg gtacggctgc  gagaagacga cagaagggtta cggctgcgag      120
aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg      180
acagaagggg acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa      240
gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggggtac      300
ggctgcgaga agacgacaga aggggtacggc tgcgagaaga c                                     341

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```

<210> 1560
<211> 361
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

```

```

<400> 1560
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc      60
tgcgagaaga cgacagaagg gtacggctgc  gagaagacga cagaagggtta cggctgcgag      120
aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg      180
acagaagggg agtgcagtgg cgcaatctcg gctcactgca acctccacct cccgggttca      240
agggattctc ccacctcagc ctcccaagta gctgggacta taggcatgtg ccaccacgcc      300
tggttaattt ttgtattttt agtagagacg gngtttgcca tggtggccag ggtgggtctcg      360
a

```

```

<210> 1561
<211> 354
<212> DNA
<213> Homo sapien

```

```

<400> 1561
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc      60
tgcgagaaga cgacagaagg gtacggctgc  gagaagacga cagaagggtta cggctgcgag      120
aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg      180
acagaagggg acggctgcga gaagacgaca gaaggggtggc tcatgcctgt aatcccagca      240
ctttggaagg ctgagacggg cggatcacct gaggtcagga atttgagacc agcctggcca      300
acatggtgaa accccacccc tactaaaaat acaaaaaaat tagccgggtg tagt          354

```

```

<210> 1562

```

<211> 376
 <212> DNA
 <213> Homo sapien

<400> 1562

tacggctgcg	agaagacgac	agaaggggtac	ggctggcgag	aagacgacag	aaggggtacgg	60
ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	acagaagggg	acggctgcga	120
gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	gggtacggct	gcgagaagac	180
gacagaaggg	tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	240
aggggtacggc	tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaaggggg	300
tggcgtgctc	ctgtagtccc	agctacttat	gaggtcgagg	caggagaatt	gcttgaatcc	360
aggaggcaga	ggttgc					376

<210> 1563
 <211> 360
 <212> DNA
 <213> Homo sapien

<400> 1563

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacctaa	gggtacggctg	cgagaagacg	180
acagaagggg	acggctgcga	gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	240
gggtacggct	gcgagaagac	gacagaaggg	tacggctgcg	agaagacgac	agaaggggtac	300
ggctgcgaga	atacgacaga	aggggtacggc	tgcgagaaga	cgacagaggg	gtacggctgg	360

<210> 1564
 <211> 373
 <212> DNA
 <213> Homo sapien

<400> 1564

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggatacgg	ctgcgagaag	acgacagaag	gatacggctg	cgagaagacg	180
acagaaggat	acggctgcga	gaagacgaca	gaagggacct	gaggtcggga	gttcaagacc	240
agcctgacca	acatggagaa	accccgctct	tactaaaaat	aaaaaattag	ccgggcgtgg	300
tggtgcatgc	ctgtaatccc	agctactggg	gaggtcgagg	caggagaatt	gcttgaacct	360
aggaggcgga	ggg					373

<210> 1565
 <211> 361
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 1565

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggtgcgag	120
aagacgacag	aaggggtacgg	ctgctgagaag	acgacagaag	gatacggctg	cgagaagacg	180
acagaaggggt	acggctgcca	gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	240
gggtacggct	gcgagaagac	gacagaagggt	tacggctgcg	cgaagacgac	agaaggggtac	300
ggctgcgaga	agacgacaga	aggggtacggc	tgtgagaaga	cgacagaagg	gtacggctgt	360
n						361

<210> 1566
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 1566						
tacggctgcg	agaatacgac	agaaggggga	gatgggggttt	caccatgttg	gccaggctgg	60
tttcaaactc	ctggcctcaa	gtgatccgcc	cgctcggcc	ttccaaagtg	ctaggattaa	120
caggcgcgag	ccgctgcacc	cagcctgcat	tttattttta	cataaagtga	aattaactgg	180
tacatgggaa	tggagaaagt	gatttacttt	tgtaatgaga	agtgaataat	ttttaatttt	240
taaccattt	agaaaaaaaa	atagtgcagc	tggctgcaag	tgcccagctt	tacataaaca	300
tgctctttga	ggctgaaaca	aatttgacta	attgtcaatg	tgaaaataaa	atagaaaaac	360
tggtgttga	gttatttcta	aacagaa				387

<210> 1567
 <211> 356
 <212> DNA
 <213> Homo sapien

<400> 1567						
tctacggctg	cgagaagacg	acagaaggggt	acggctgcca	gaagacgaca	gaaggggtacg	60
gctgcgagaa	gacgacagaa	gggtacggct	gcgagaagac	gacagaagggt	tacggctgcg	120
agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	tgcgagaaga	180
cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggtgcgag	aagacgacag	240
aaggggtacg	ctgctgagaag	acgacagaag	gggtacggctg	cgagaagacg	acagaaggggt	300
acggctgcca	gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	gggtac	356

<210> 1568
 <211> 391
 <212> DNA
 <213> Homo sapien

<400> 1568						
tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaaggggtg	taggcatagc	120
tattttatca	tattgaggta	ctacagctct	tgaaagtagc	aaagaagtaa	gaatgacaca	180
gttcataatca	aaaattaaag	aagtatggat	actttcgtgg	ggatcaaagg	aaactaaaga	240
agcgcttaaa	acaatcacia	atgtcgcagt	gtaaaccatc	atgaagaact	aaataattgt	300
ttaatataga	aaccggccgg	gcgtgggtggc	tcacgcctct	aatcccagca	ctttgggagg	360
ctgaggcgga	cggatcacga	ggtcaggaga	t			391

<210> 1569
 <211> 354


```

tgtccagggt gatgggcaca cctgtagtcc agctacttcg aggctactgg aggaacgttt      240
gagcttggag ggcgagctgc atgagctaca tcgagccgag cactccagcc tggtagacaca      300
ggcttgaaag aaaaaaaaaat cccaattttc aaaggaaggt ttgttgccaa                  350

```

```

<210> 1573
<211> 388
<212> DNA
<213> Homo sapien

```

```

<400> 1573
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc      60
tgcgagaaga cgacagaagg gtacggctgc  gagaagacga cagaagggtta cccctcctc      120
aaaaccaact gcgaaaatgt cctcttttta tccctgcctt accccatcag ctctggcctt      180
tttaaaaaca tttgttggtc tctagtgaag cctctatcac cttctctatc tgagaactga      240
ccaatggaaa ttcataactt tatctccaga aatcccagag gcctaaaaaa attaagagga      300
ttaatgggaa acttgcaaga aagtgacaac ctcgatagaa gtgacacatc tgatttagga      360
tggaaaaaag ttagtcaata aaaatcag                                     388

```

```

<210> 1574
<211> 377
<212> DNA
<213> Homo sapien

```

```

<400> 1574
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc      60
tgcgagaaga cgacagaagg gtacggctgc  gagaagacga cagaagggtta cggctgcgag      120
aagacgacag aagggtacgtt gaaaatcact gttctgcttg gttttaagaa attcaaaggc      180
caggcgaggt ggctcacacc tgtaatccca acactttggg aagctgaggc aggtggatca      240
cctgaggtca ggagttcgag accaacctgg ccaacatggt gaaatcccat ctctactaaa      300
aatacgaaaa ttagcccggc gtgatggcgg gcacctgtaa tccagctac ctgggagact      360
gaggtaggag aatcgct                                     377

```

```

<210> 1575
<211> 364
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(364)
<223> n = A,T,C or G

```

```

<400> 1575
tacggctgcg agaagacgac agaaggggtac ggcggcgaga agacgacaga aggggtacggc      60
tgcgagaaga cgacagaagg gtacggctgc  gagaagacga cagaagggtta cggctgcgag      120
aagacgacag aagggtacgtt ctgcgagaag acgacagaag ggtacggctg cgagaagacg      180
acagaagggt acggctgcga gaagacgaca gaaggtacgg ctgctagacg acgacagaag      240
tgtcaggcat gtcataaacc tcaaattttt tggntttaaa aaggcgccgt tttttttggg      300
ttccccgcct ggggattttt tttggttttt gcccccccca ctttttagcc gggaaaaaag      360
tctt                                     364

```

<210> 1576
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 1576
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtatcaaaa ataccaaaaa 180
 aaaaaaaaaa aaaaaaaagg gaaagaaaaa aaaatttccc cggggggggg ggggtttccc 240
 tttttcccaa atttttcggg gggggggggg gggaaaaatt tttaaccctg gggggggggg 300
 ggtccagggg cctaaaaatt tgccctgggt tttttggggg ggcccaaggg ggggtttcca 360
 aaaaaaaaaa aaaaaaaaaa aaaggga 387

<210> 1577
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 1577
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggatacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggatttacgt gccatgattt 180
 tattccaacc aaaaagatat ttggaaaata tttagaatt attgctgatt attgaaatct 240
 aaaacactaa taccagtga tttttgtat accctaatac ttctctgaac acttacaagc 300
 caataattaa ccattcagaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg ggccgttttt 360
 tccgtaaacc caaccttgaa aaaatcc 387

<210> 1578
 <211> 368
 <212> DNA
 <213> Homo sapien

<400> 1578
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtacggctg tgagaagacg 180
 acagaaggga cttgggagggc tgaggcacga gattccttga acccaagagg ttgaggctat 240
 gttgagctga gatcacacca ctgtactcca gcctggatga cagagtggag actctgtttc 300
 aaaaaaacag aaaagaaaat atagtttgat tcttcatttt tttaaatttg taaatctcag 360
 gataaagt 368

<210> 1579
 <211> 357
 <212> DNA
 <213> Homo sapien

<400> 1579
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
 aagacgacag aaggggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180

```
<210> 1580
<211> 334
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(334)  
<223> n = A,T,C or G
```

```
<210> 1581
<211> 360
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc feature
<222> (1) ... (360)
<223> n = A,T,C or G
```

```
<210> 1582
<211> 346
<212> DNA
<213> Homo sapien
```

<400>	1582					
tacggctgcg	agaagacgac	agaagggtac	ggcggcgaga	agacgacaga	agggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtg	cggctgcgag	120
aagacgacag	aagggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaagggt	acggtctgca	gaagacgaca	gaagggtacg	gctgcgagaa	gacgacagaa	240
ggggcaggca	tgtcataac	aaaaaaaaaa	taaaagaaaa	aaaaaggggg	gccgtttttt	300

346

<400> 1583

tacggctgcg	agaagacgac	agaagggtac	ggctgcgaga	agacgacaga	agggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtg	cggctgcgag	120
aagacgacag	aagggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaagggg	catgagaaca	actgtcccca	cccctccacc	tgactgtcta	atctttgagc	240
agcctgggtct	ctgagtgaaa	ggaccaagga	atgagtgaat	gctcacggcc	tgggtgggag	300
gttaggttcc	tactgaqqga	tqqgtqqgtt	cccacaaggc	agggctctgg	gaactttt	357

<400> 1584

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaaggggt	acggctgcga	gaagacgaca	gaaggggggtg	catgcctatg	gtcccagcta	240
ctagggagggc	tgaggtggga	ggatcgcttg	agactgggggt	ggttgaggtt	gtagtgagcc	300
gtgattatac	cactgcactc	cagcctgggt	gacagagcga	gaccctgtcc	caaaaaaaga	360
aaaaaaaaat						370

<400> 1585

tacggctgct	agaagacgac	agtaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaaggggt	acggctgcga	gaagacgaca	gaggggattc	ttgtcccca	ggctggagtg	240
caatggtgtg	atctcggtg	actgcaacct	ctgcctccca	ggttcaagca	attctccagc	300
ctcagcctcc	tgagtagctt	gggatacagg	ggcctgccac	cacacttggc	taattttgta	360
tttt						364

 $\langle 220 \rangle$

```
<221> misc_feature
<222> (1)...(354)
```


<223> n = A,T,C or G

<400> 1586

tacggctgcg	agaagacgac	agaaggggtat	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtagcggctg	cgagaagacg	180
acagaaggggt	acggctgcca	gaagacgaca	gagggggacg	gctgcgagaa	gacgacagaa	240
gggattttgat	gatgatagac	aaattttcaca	cgtgctgttg	aaacggactt	ancaccctat	300
ttttgttggtt	ttagggggcc	cgttttttttg	gttcccaaca	gggaagatct	tttt	354

<210> 1587

<211> 360

<212> DNA

<213> Homo sapien

<400> 1587

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagatg	ggtagcggctg	cgagaagacg	180
acagaaggggt	acggctgcca	gatgacgaca	gaaggtacgg	ctgcgagaag	acgacagaag	240
ggaacggctg	cgagatgacg	acagaaggggt	agccatgtgt	ggtagcaggc	atctgtaagc	300
ccagctttttt	gcatgttgga	gccaggagat	cccttgacct	tgtagacaaa	gttgcgggcg	360

<210> 1588

<211> 364

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (364)

<223> n = A,T,C or G

<400> 1588

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtagcggctg	cgagaagacg	180
acagaaggat	acggctgcca	gaagacgaca	gaagggattt	gccaggctgt	aatgcnatgn	240
cgtgattttg	gctcacttac	acctctacct	cctggcttca	aggatatctc	tgactcattc	300
tcctagtag	ctgtgactac	aggctcccg	cactatacct	ggctaagttg	tgtgtttttt	360
gtag						364

<210> 1589

<211> 365

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (365)

<223> n = A,T,C or G

<400> 1589

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaaggggt	acggctgcga	gaagacgaca	gaaggcaacc	atattattat	tttacttatt	240
caagaagatg	aaaatgaata	tacagttatg	ggagaggact	ctgaaattca	tataaatagg	300
agcagaccca	ctgatttcaa	tgancatata	aacacactgg	atcagaccaa	ttacagaagc	360
atttg						365

<210> 1590

<211> 369

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(369)

<223> n = A,T,C or G

<400> 1590

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaaggggt	acggctgcga	gaagacgaca	gaagggcccc	agcctgggca	acagagtggag	240
atcgtgtctc	annnnnnnaa	taaaaaaaaaag	aaaaaaagagg	ggggccctttt	ttttgtggac	300
ccccccctgg	gaaaaatcct	tgggggggttg	ggcccccccc	ccctttaagg	ggcggggaaa	360
aaattttttt						369

<210> 1591

<211> 394

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(394)

<223> n = A,T,C or G

<400> 1591

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agcgacagaa	ggatacggct	60
gcgagaagac	gacagaagga	tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	120
agacgacaga	aggggtacggc	tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	180
cagaagggtta	cggctgcgag	aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	240
ggtacggctg	cgagaagacg	acagaagggga	gtctagagct	gggccggggcg	cggtggctca	300
cgctgtaat	cccancactt	tggaggccga	ggcgggtgga	tcatgagggtc	aggagttcaa	360
gaccaatctg	gccaacatgg	tgaaaccccca	tctt			394

<210> 1592

<211> 324

<212> DNA


```

acagaaggggt acggctgcga gaagacgaca gaaggggtct ggttactctt taggtctata 240
catgtagata taaaattgtc tctaagaggc tgggcgccac acttgtaatt ccagcacttt 300
ggaaggctga gacaggcaga tcacttgagg tcaggagttc gagaccagcc tggcc 355

```

```

<210> 1596
<211> 369
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(369)
<223> n = A,T,C or G

```

```

<400> 1596
tacggctgcg agaagacgac agtagggtag ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaaggggt acggctgcga gaagacgaca gaggggattc ttgtcccccc agctggagaa 240
tantnnngna atttnttttag aaaggaaagt ttgtttttca cagcgatggg gtaatgcagc 300
ctaagccttc tgactgtctg cgaatgcttg tgctgccgc cgcgctggcc ttattgttcg 360
ctattcagg 369

```

```

<210> 1597
<211> 387
<212> DNA
<213> Homo sapien

```

```

<400> 1597
tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaaggggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 240
gggaagggaac agaaaataac ttataaaagt gtataaaaat tacatgccag gccgggcgcg 300
gtggctcacg cctgtaatcc cagcactttg ggaggccaag gcgggaagat cagaggtca 360
ggagatcaag accttctctg ctaacat 387

```

```

<210> 1598
<211> 364
<212> DNA
<213> Homo sapien

```

```

<400> 1598
tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagatgggt acggctgcga gaagacgaca gaaggggagt ctccggcggg ttgttgcttg 240
ggctggacgt gggtttgtct gctgcgcacg ctctcgcgct ctctgttaat ttcggaggcc 300
gccagcggga tggccacaag cagatttata ctccccaagc cttggggaca ctacaggacc 360
gctg 364

```

<210> 1599
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 1599
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaaggggt acggctgcca gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240
 gggacagaca gcactgagat atacagaaag taagaacttt caggctggggc gcgggtggctc 300
 acgcctgtaa tcccagcact ttgggagggt gaggcgggtg gatcacgagg tcaggagatc 360
 gagaccatcc tggctaacac agtg 384

<210> 1600
 <211> 365
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(365)
 <223> n = A,T,C or G

<400> 1600
 tacggctgtt agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaaggggt acggctgcca gaagacgaca gaaggggtacg gctgcgagat gacgacagaa 240
 ggggtacggct gcgagatgac gacagaagggt tacggctgcc agaggagaca gaagggaact 300
 gctgcgagat gacgacagaa ggggtactgct tcctagagga cgacaaaggg taccggttgt 360
 aagan 365

<210> 1601
 <211> 360
 <212> DNA
 <213> Homo sapien

<400> 1601
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc cagaagacga cagaagggta cggctgccag 120
 aagacgacag aagggtacgg ctgccagaag acgacagacg ggtaccgctg cgagaagacg 180
 acagaaggggt acggctgcca gaagacgaca taaggggtacg gctgcgagaa gacgacataa 240
 ggggtacggct gcgagaagac gacagaagggt tacggctgcg agaagacgac agaatggcgt 300
 gaggatggtg tgaccccata tatgatcttc ttttaaggatg ggtagaaaat ggaaaaatgt 360

<210> 1602
 <211> 356
 <212> DNA
 <213> Homo sapien

<400> 1602

tacgggttcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaagggg	acggctgcga	gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	240
gtgtacggct	gcgagaagac	gacagatggg	tacggctgcg	agaagacgac	agatggtgca	300
acatgctgaa	ccccggctct	actgttaaga	tacaaaatga	gctggtgtgt	tgcact	356

<210> 1603

<211> 362

<212> DNA

<213> Homo sapien

<400> 1603

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaagggg	acggctgcga	gaagacgaca	gaagggggaa	gccgaggaag	agcgttttgg	240
ggacgggggc	tggtgaggct	cacgttggag	ggcttcgcgt	ctgcttcgga	gaccgtaagg	300
atattgatga	ccatgagatc	cctgctcaga	accccttcc	tgtgtggcct	gctctggggc	360
tt						362

<210> 1604

<211> 334

<212> DNA

<213> Homo sapien

<400> 1604

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaagggg	acggctgcga	gaagacgaca	gaagggggaa	gccgaggaag	agcgttttgg	240
ggacgggggc	tggtgaggct	cacgttggag	ggcttcgcgt	ctgcttcgga	gaccgtaagg	300
atattgatga	ccatgagatc	cctgctcaga	accc			334

<210> 1605

<211> 351

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(351)

<223> n = A,T,C or G

<400> 1605

tanncttgct	tgaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtgcggg	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaagggg	acggctgcga	gaagacgact	gaaggggtacg	gctgcgagaa	gacgacagaa	240
gggtgcgggt	gcgagaagac	gacagaaggg	tacggctgct	agaagacgac	agaaggggtac	300

ggctgctaga agacgacaga aggggttcggc tgcgagaaga cgacagatgg g

351

<210> 1606

<211> 386

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(386)

<223> n = A,T,C or G

<400> 1606

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaagggt	acggctgcga	gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	240
gggtacggct	gcgagaagac	gacagaagg	tacggctgcg	agaaacgacn	gaanggtact	300
tttttttaaa	actttaagag	ggggccgttt	tttttggtact	ccagactggt	gcgggtttctt	360
ggttggttgg	gacaccccc	ctttta				386

<210> 1607

<211> 397

<212> DNA

<213> Homo sapien

<400> 1607

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
actgatgggt	acggctgcga	gaagacgact	taaggggtacg	gctgcgagaa	gacgacttat	240
gggtacggct	gcgagaagac	cacttatggg	tacggctgcg	agaagacgac	tttttgggac	300
gctgcgaaaa	gacgactttt	tgggacgctg	cgagaagacc	actttagggg	acgctgccac	360
aagaccacct	aatggtacgc	tgccaaagac	gacataa			397

<210> 1608

<211> 368

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(368)

<223> n = A,T,C or G

<400> 1608

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagatgggt	ccggctgcga	gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	240
gggacggctg	cgataagacg	acagaagggt	acggctgcga	gaagacgaca	gatgggtacg	300

tttgcgagaa gacgacagaa ggtacggttg tcataagacg acagatagga acggctgcaa 360
gacgactn 368

<210> 1609
<211> 355
<212> DNA
<213> Homo sapien

<400> 1609
tacgggtgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaaggggt acggctgcca gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240
ggggagctaa cctcacactc atcccattct aaactatgtg attcaacact gattttacat 300
ccaacaaagt gaaatcttga tagttgggtg taaaaaggag agtaatggag atttc 355

<210> 1610
<211> 362
<212> DNA
<213> Homo sapien

<400> 1610
tacgggtgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
ttgcgagaag acgacagaag ggtacggctg cgagaagacg acagaaggggt acggctgcca 120
gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac 180
gacagaaggg tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga 240
aggggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta 300
cggctgcgag aagacgacag aagggttaga tctggtgaaga actcactcac tatcataaga 360
ag 362

<210> 1611
<211> 380
<212> DNA
<213> Homo sapien

<400> 1611
tacggctgtt agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaaggggt acggctgcca gaagacgaca gaaggggtacg gctgcgagaa gaccacagaa 240
gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggggtac 300
ggctgcgaga agacgacaga agggataggt taattagcct gcttgtggta cctttttcac 360
aatgtacatt cgtcgggggc 380

<210> 1612
<211> 344
<212> DNA
<213> Homo sapien

<400> 1612
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60


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tgcgagaaga ctacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaaggggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240
gggtacggct gcgagaagac gacagaaggg gacaatcgag tagtactccc gattgaagcc 300
cccatcgtga taataattac atcacaagac gtcttgcaact catg 344

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<210> 1613

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 1613

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tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaaggggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240
gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggggtac 300
ggctgcgaga agacgacaga agggatatgc tggaaaaacn acatattggt acagtgtggg 360
ggggcgcttt tggttatgtc a 381

```

<210> 1614

<211> 357

<212> DNA

<213> Homo sapien

<400> 1614

```

tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaaggggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240
gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggggtac 300
ggctgcgaga agacgacaga agggaacagc taaggactgc aaaacccac tctgcat 357

```

<210> 1615

<211> 392

<212> DNA

<213> Homo sapien

<400> 1615

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tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaaggggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240
gggtacggct gcgagaagac gacagaaggg gatggctcaa ctaaatacta ccgtatgtgc 300
caccataatt agccccatac tccgtacact attcctgatc acccgctatg gcaaaaagaaa 360
aaataaaaca gccggccgggt ttctgctttt tg 392

```

<210> 1616
 <211> 366
 <212> DNA
 <213> Homo sapien

<400> 1616
 cggcctacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt 60
 acggctgcca gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtagcgct 120
 gcgagaagac gacagaaggg tacggctgca agaagacgac agaagggtac ggctgcgaga 180
 agacgacaga agggtagcgc tgcgagaaga cgacagaagg gtacggctgc gagaagacga 240
 cagaagggtta cggctgcaag aagacgacag aagggtacgg ctgcgagaag acgacagaag 300
 ggtacggctg cgagaagacg acagatgggt acggctgcca gaagacgaca gaagggtacg 360
 gctgca

<210> 1617
 <211> 360
 <212> DNA
 <213> Homo sapien

<400> 1617
 tacggctgca agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagcgc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcaag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaagggt acggctgcca gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 240
 gggtagcgc gcgagaagac gacagaaggg tacggctgca agaagacgac agaagggtta 300
 ggctgcgaga agacgacaga agggtagcgc tgcgagaaga cgacagaagg gcattatatt 360

<210> 1618
 <211> 372
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (372)
 <223> n = A,T,C or G

<400> 1618
 tacggctgca agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagcgc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcaag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagangggg acggctgcca gaagacgaca ganggggtac gctgcgagaa gacgacagaa 240
 gggtagcgc gcgagaagac gacagaaggg tacggctgca agaagacgac agaagggtta 300
 ataacctcat tcacacgaga agacaccctc atggtcctac acctatccgc cattctcttg 360
 ctatccctca ac 372

<210> 1619
 <211> 429
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(429)
 <223> n = A,T,C or G

<400> 1619
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaaggggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240
 ggggtacggct gctagaagac gacagaagggg tacggctgcg ggaagcgacn ganggggncca 300
 tttttttgan gacacagacg gggcgggtttt ttttgtgact caaaagggac gtttccttgg 360
 ggcttgggcc gcccccttt tgttggcgga aaaaaggctt ttttttgaaa tctggaacgt 420
 tgggttttt 429

<210> 1620
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 1620
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaaggggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240
 ggggtacggct gcgagaagac gacagaagggg tacggctgcg agaagacgac agaaggggtac 300
 ggctgcgaga agactacaga aggggtacggc tgcgagaaga cgacagaagg gtacggctgc 360
 gagaagacta cagaaaggta cgggt 384

<210> 1621
 <211> 391
 <212> DNA
 <213> Homo sapien

<400> 1621
 tactgctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120
 aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
 acagaaggggt acggctgcga gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa 240
 ggggtacggct gcgagaagac gacagaagga tacggctgcg agaagacgac agaaggggtac 300
 ggctgcgaga agacgacaga aggggcaatt caatatgaaa atcacctcgg agctggtaaa 360
 aagaggccta acccctgtct tttagatttac a 391

<210> 1622
 <211> 362
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(362)

<223> n = A,T,C or G

<400> 1622

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaaggggt	acggctgcga	gaagacggcc	tacggctgcg	agaagacgac	agaaggggtac	240
ggctgcgaga	agacgacaga	aggggtacggc	tgcgagaaga	cgacagaagg	gtacggctgc	300
gagaagacga	cagatgggta	cggctgcgag	aagacgacag	aaggggtggcc	aatatggaga	360
an						362

<210> 1623

<211> 390

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 1623

tcgattcgaa	ttcggcacga	gcctatggag	taattaccag	tgccaagaag	agggcgacaaa	60
ggccgtgaca	gagatgaacg	ggcgcatcgt	gggcaccaag	ccactctacg	tggcactggc	120
ccagcgcaaa	gaggagcgga	aggccatctt	gaccaaccag	tacatgcagc	gcctctccac	180
catgcggaac	ctgagcaacc	ccctcctggg	ctcctttcag	cagccctcca	gctacttcct	240
ggctgccatg	ccccagcctc	cagcccaggc	tgcatactat	ggctgtggcc	cagtgcaccc	300
cacccagcct	gccccaggt	ggacatncca	gccacctaga	cctttctggt	gcctcaatgt	360
ccggggcacc	agtgtgctcg	gcgcccccg				390

<210> 1624

<211> 318

<212> DNA

<213> Homo sapien

<400> 1624

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	tgagaagacg	180
acagaagggga	cttgggagggc	tgaggacaga	gattcctttg	aacccaagag	gtgaggctat	240
gttgagctga	gatcacacca	ctgtactcca	gcctgatgac	agaggggaaga	ctctgtttca	300
aaaaaccgga	gagaaatt					318

<210> 1625

<211> 309

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(309)

<223> n = A,T,C or G

<400> 1625

tacggctg	cg	agaagacgac	agaaggggtac	ggctg	cg	gaga	agacgacaga	aggggtacggc	60	
tgcgagaaga	cg	acagaagg	gtacggctgc	gagaagacga	cagaagggt	ta	cg	ggctg	cg	120
aagacgacag	at	gggtacgg	ctgcgagaag	acgacagatg	gg	tacggctg	cg	gagaagacg	180	
acagatgggt	ac	ggctg	cg	gaagacgaca	gatagg	tacg	gctgcgagaa	gacgacagat	240	
gg	tacggctg	cnagaagacg	acagaaggta	cg	ggctg	cg	gag	aagacgacag	300	
tg	cg	gag	agg					aagttacggc	309	

<210> 1626

<211> 317

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(317)

<223> n = A,T,C or G

<400> 1626

tacggctg	cg	agaagacgac	agaaggggtac	ggctg	cg	gaga	agacgacaga	aggggtacggc	60	
tgcgagaaga	cg	acagaagg	gtacggctgc	gagaagacga	cagaagggt	ta	cg	ggctg	cg	120
aagacgacag	at	gggtacgg	ctgcgagaag	acgacagaag	gggggcgtag	ccatggcg	ggg		180	
taacgctact	ac	caaaccgt	cgcagctgct	gccggtagag	cttgtggaca	natgtatagg			240	
atcacgaatt	ca	catcgtga	tgaagaggga	tagggaaatg	gtgtactctt	ctagaattgg			300	
tggacttggc	attatgg								317	

<210> 1627

<211> 275

<212> DNA

<213> Homo sapien

<400> 1627

tacggctg	tg	agaagacgac	agaaggggtac	ggctg	cg	gaga	agacgacaga	aggggtacggc	60	
tgcgagaaga	cg	acagaagg	gtacggctgc	gagaagacga	cagaagggt	ta	cg	ggctg	cg	120
aagacgacag	aa	gggtacgg	ctgcgagaag	acgacagaag	gg	tacggctg	cg	gagaagacg	180	
acagaagggt	ac	ggctg	cg	gaagacgaca	gaagggtacg	gctgcgagaa	gacgacagaa		240	
gggtacggct	gc	gagaagac	gacagaagg	cacc					275	

<210> 1628

<211> 366

<212> DNA

<213> Homo sapien

<400> 1628

tacggctg	cg	agaagacgac	agaaggggtac	ggctg	cg	gaga	agacgacaga	aggggtacggc	60	
tgcgagaaga	cg	acagaagg	gtacggctgc	gagaagacga	cagaagggt	ta	cg	ggctg	cg	120
aagacgacag	aa	gggggctt	tcttctttct	tccta	acatt	ttcatgtgag	atccagaaag		180	
gacacattgt	ct	ctggccat	tcgaagaaag	aaagaaagaa	aaaaaaaaac	ggttttttaa			240	

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<210> 1629
<211> 377
<212> DNA
<213> Homo sapien
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```
<210> 1630
<211> 361
<212> DNA
<213> Homo sapien
```

```
<210> 1631
<211> 412
<212> DNA
<213> Homo sapien
```

```
<210> 1632
<211> 433
<212> DNA
<213> Homo sapien
```

```

<400> 1632
atcaagacag ctacgcggat ttatgcggat cccatcgatt cgaagtcggc acgagattgc      60
catgcaaaac aggetccccct gcatctactt aggtgattcg ggaggagcat acttacctcg      120
acaagcagat gtgtttcctg atcgagacca ctttggccgt acattctata atcaggcaat      180
tatgtcttct aaaaatattg cacagatcgc agcggtcctg ggctcctgca ccgcatgagg      240
agcctatgtg cctgccatgg ctgatgaaaa catcattgta cgcaagcagg gtaccatttt      300
cttggcagga ccccccttgg gtaaagcggc tactggggaa gaagtatctg ctgaggatct      360
tgaggagct gatcttcatt gcggacagcc tgtagtaagt gaccactgag ctttggatga      420
tcacatgcc ctt                                     433

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<210> 1633
<211> 348
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

```

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<400> 1633
tacggctgcg agaagacgac agaaggggaat gtccctttgc agatgctaca aaaaacatat      60
tttcaacctg ctgaaccaa aaaaaaatgc ttaactctgt gagatgagtg catagatcac      120
aaagcagttt caaatacaga ttcttttttag tctttatcta ggaatattca ctttttccac      180
ataggcctca attggctcac aaattttcct ttacagatta tccaaagaga atatttgcaa      240
cctgctgaaa caaataaagg tttactctgt gagataaatc cacacatcac aaagcatttt      300
aacagaaaga ttattttttag ggtttatatg ggattatttt gtttttcn          348

```

```

<210> 1634
<211> 376
<212> DNA
<213> Homo sapien

```

```

<400> 1634
tacggttggt agaagacgac agaaggggat ttgagagtct cctcccatTT tctcactgag      60
taccctgtga tcattacact ctttctctgc tgcacccctg ctgtctcagt gcattgggtct      120
gttactgagc agtgggcata tgaatctgtt gatcccataa cactcttggt cccctgctaa      180
gggttttggc ttaatgtctt ccagggacag gagatgatgt cttgagtaca atgcaaggag      240
ttgtataaag ctgggagcat taaagggctg aacctcagtg atagagtata ccagaaaaat      300
agtttattcc caagatctgg gaaacaaaag gggagcttgt cagtttctgc ttggcctatg      360
agaggacaga gaacct                                     376

```

```

<210> 1635
<211> 361
<212> DNA
<213> Homo sapien

```

```

<400> 1635
tacggctgcg agaagacgac agaagggggt tttctagatt gtacttatgc ataagatagt      60
ttttaaagaa agcattccac tgtgtaaatt tttttttgtc tttttttgaa actgtcctgc      120
tctgtcacc atcctgggggt gcagtagtgt gatcatggct cgctgtagcc acaacctctc      180

```

```

aggctcaagt gatcctctta ccttagcctc ctgctgggct gggactgcag atgtttgcc 240
ccatgcccgc cccatttttt ttcttttttt tatagagatg agattttgct atgtcgccca 300
gactgggtctc gaactcctgg cctcaagcaa tcctcacgcc tcagcctccc aaagtgttga 360
t 361

```

```

<210> 1636
<211> 348
<212> DNA
<213> Homo sapien

```

```

<400> 1636
tacggctgcg agaagacgac agaaggggta ttacccatgt tctcttctcc aagggaagct 60
atcacatctt ttatctttaa gccaggcatg gtggatgca cctatagtcc tagctactgg 120
gaaggctaag gcaggaggat tgcttgagcc caggagttca agggagcagt gagctatgag 180
agcgccactg tactccaacc tgagcaaaaa agatcttgct tcaaaataaa taaataaaca 240
aacaaacaga aaaattctgc cccaaaccaa gattactatt aacacatgta gtatcacaac 300
acacattaac tctctcccat taattcccca ggagagtaaa tcttagtg 348

```

```

<210> 1637
<211> 405
<212> DNA
<213> Homo sapien

```

```

<400> 1637
tcgattcgaa ttcggcacga ggtaatctag agatggaaat agagaagctg aaaaaagctg 60
tcctgtcttc ttgagtggcg tggacctggg gttcataatg ttccagggat tcagaagcaa 120
cgctatgaac ttcagctgac ttgttactta aaaattgtga attctgttgt tgtgataaat 180
atgagcaaat gaagtgtaat atctatagaa aagtagagtg aggggtgaatt tatatatata 240
ttttgttttg ccaatatgaa gaaaaagagg ccttatttct taactgtgct gggattgcaa 300
acacttttta aaaaattgtt tgcttgaaaa tactactgaa tataaataag aatgtgcaca 360
gtagtttttt tattgaaact tgtattattt ttaaagagat ctata 405

```

```

<210> 1638
<211> 381
<212> DNA
<213> Homo sapien

```

```

<400> 1638
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg cggctgcgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaagggt acggctgcca gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 240
gggtacggct gcgagaagac gacagaaggg ggcggttaa ctaaatacta ccgtatggac 300
gcccataatt accccatac tccgtacact attcctcatc acccgctatg gaaaaaacta 360
taataacacg cccgccgctc t 381

```

```

<210> 1639
<211> 377
<212> DNA
<213> Homo sapien

```



```

<400> 1639
ggcacgagcc tatggagtaa ttaccagtgc gaagaagagg cgacaaaggc cgtgacagag      60
atgaacgggc gcatcgtagg caccaagcca ctctacgtgg cactggccca gcgcaaagag      120
gagcggaagg ccattcttgac caaccagtac atgcagcgcc tctccaccat gcggaccctg      180
agcaaccccc tcttgggctc ctttcagcag cctccagct acttctgccc tgccatgccc      240
cagcctccag cccaggctgc atactatggc tgtggcccag tgacaccac ccagcctgcc      300
cccaggtgga catccagcc acctagacct tctgtgcct caatgggtcc gccaccagtt      360
gtgcctcggc gcccccc                                377

```

```

<210> 1640
<211> 236
<212> DNA
<213> Homo sapien

```

```

<400> 1640
cgcgaataat tcaccacctt tctttctcag cttctataac tatagggcgc tgtatttctc      60
atggcagacc ctctgcttct ttattgtgca cctttgagac tagtgccctat gagcgttatt      120
tggtcccctg ttttttttgt aggtcttata taaaacaaac attcctttgt tctactgccg      180
tgaagggcct cctcttctct ttatctgaag tgggtgaatat actacatata cattct       236

```

```

<210> 1641
<211> 363
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(363)
<223> n = A,T,C or G

```

```

<400> 1641
ggcacgagaa tgccatgcaa aacaggctcc cctgcatcta cttagttgat tcgggaggag      60
catacttacc tcgacaagca gatgtgtttc cagatcgaga ccactttggc cgtacattct      120
ataatcaggc aattatgtct tctaaaaata ttgcacagat cgcagtgggc atgggctcct      180
gcaccgcagg aggagcctat gtgcctgcca tggctgatga aaacatcatt gtacgcaagc      240
agggtaccat tttcttggca ggacccccct ttgttaaagg cgcaactggg ngaagaagta      300
tctgctgagg atcttggagg tgctgatctt cattgcagaa agtctggagt aggtgaccac      360
tgg                                           363

```

```

<210> 1642
<211> 351
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

```

```

<400> 1642
tacggctgcg agaagacgac agaaggggga tatgaaaaag gttcgttggt ttttactttt      60

```

ggatataatg gngnatatac attctttcta tttagtctta atttggcagt caggaagtga	120
tataacttag ctgctattta caacactaga aatttagtac ttttaagtaat ttcacatcta	180
tgataacatt tgttacttta tttttaatga tttttttaca gtagttatga cagtaggggtg	240
gttatggaat tggaatttaa actcccaact aatgagctta agctgcttgg aatattaatt	300
atgtagtttt tacattccat tttaaaacaa aaacttagaa aagatgctgg g	351

<210> 1643

<211> 375

<212> DNA

<213> Homo sapien

<400> 1643

tctaccgctg cgagaagacg atagaagggg gaacaaacca acatttgagc caggaataac	60
tagagaggaa caatgggggtt attcagaggt tttgttttcc tcttagttct gtgcctgctg	120
caccagtcaa atacttcctt cattaagctg aataataatg gctttgaaga tattgtcatt	180
gatatagatc ctagtgtgcc agaagatgaa aaaataattg aaccaataga ggatattgtg	240
actacagctt ctacgtacct gtttgaagcc acagaaaaaa gatttttttt taaaaatgta	300
tctatattaa ctctgagaa ttggaaggaa aatcctcagt acaaaaggcc ggaacatgaa	360
aaccataaac atgct	375

<210> 1644

<211> 349

<212> DNA

<213> Homo sapien

<400> 1644

tacggctgcg agaagacgac agaaggggag cagctgttca ggcattgcaca gagacccagg	60
tgctttacgt actccggcac tgggatttcc aacaaacatg tttgcaactc aggcaaggca	120
agaggtctgc acatacccct aggaagtggg cagaatccag ggagctgagc agcattgttc	180
tgcaggccac acttccacgg cacttgaaaa gataagacct actggcttgg aattccagcc	240
agctaccagc aacagggtgg agcttgcttg agaccagatg gagccccagg gggaagggtg	300
ggcaccatcg ctgctgtttg gtcaacagct gttccagccc ataggcttt	349

<210> 1645

<211> 348

<212> DNA

<213> Homo sapien

<400> 1645

cgttgctgtc gagcgggatg gctccatggc cagagcgaga cactggcag ccattggcaa	60
acactgtgtc tagcgcatgc tacttctgtg agaccagata cccaaattcg ccgttgccac	120
tttaccaccc gcctgaatcc tgggattcta gtatgcaata agagatgcc tgtactgaag	180
caaaatttaa taaagtttgt cacagagaaa aaaaaaaaaa aaaaacctcc gggggccgtt	240
ttctactaaa atccaccctg gatgaaacac attgtagagt tgggacaacc cccaactaaa	300
aggcagggaa aaaatggctt tattggtaaa attggagatc ctatggtg	348

<210> 1646

<211> 369

<212> DNA

<213> Homo sapien

<400> 1646

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaaggggt	acggctgcgga	gaagacgaca	gaagggataa	ccatgcacac	tactataacc	240
accctaacc	tgacttcct	aattcccc	atccttacca	ccctcgggtta	ccctaacaga	300
aaaactcata	cccccatatg	taaaaaacc	ctcactttta	tatttggggg	gcgccttttt	360
ttttgtaac						369

<210> 1647

<211> 366

<212> DNA

<213> Homo sapien

<400> 1647

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	gggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaaggggt	acggctgcgga	gaagacgaca	gaaggggcct	tttcctccct	gtcgccaccg	240
aggtcgacg	cgtgagactt	ctccgcgcgc	tccgcgcgcg	acgccgcgcg	gatgcgctac	300
gtcgctcct	acctgctggc	tgccctaggg	ggcaactcct	ccccagcgc	caaggacatc	360
aagaag						366

<210> 1648

<211> 355

<212> DNA

<213> Homo sapien

<400> 1648

ggcacgagag	ctgctgcagc	agcggcacta	caagccaaat	cagatgagaa	ggcggcggtt	60
gcaggcaaga	agcctgtggt	aggtaagaaa	ggaaagattc	tgggtgcagt	tctccaatga	120
caggaaaaaa	aacaaagaga	atttgaagaa	tacgtcagag	acaaatacat	tacaaccaa	180
attgacttca	aggcactttt	gaaggagatc	aaatttataa	caaaataatt	tattgaaagt	240
gaaagcttgt	ggaagatgtt	ggaatcatcc	atcctgaaaa	ttgaagtctt	ctgtttatta	300
acagaacagc	taagaagcta	atctaagaat	gaccagcacc	tgaaagatgt	agacg	355

<210> 1649

<211> 386

<212> DNA

<213> Homo sapien

<400> 1649

ggcacgagga	gagaactagt	ctcgagagca	gttctctcag	agaactagtc	tcgagagcag	60
tttttttttt	ttttttttta	gccagggt	tttataacc	caaacagttc	cttggtttg	120
gggtggggga	aacagtaagt	caaacaactt	ttgccacaat	aatgtttgtc	aaagggactt	180
gccttaacc	ccccacccc	cccctttttt	ttattgaaac	cttgagccta	ctcttttaac	240
caatagccct	ggccgtaccc	ctaaccgtta	aatttatggg	gggcccccta	ctcttgcccc	300
taatgggaac	ccccccccta	tcaatatcaa	ccattaccct	tccctttacc	cttatcatct	360
tcccaattct	aattctacgg	actacg				386

<210> 1650

<211> 362
 <212> DNA
 <213> Homo sapien

<400> 1650
 ggcacgagag ctgctgcagc agcggcacta caagccaaat cagatgagaa ggcggcggtt 60
 gcaggcaaga agcctgtggt aggtaagaaa ggaaagattc tgggtgcagt tctccaatga 120
 caggaaaaaa aacaaagaga atttgaagaa tacgtcagag acaaatacat taCaACCaaa 180
 attgacttta aggcactttt gaaggagatc aaattttataa caaaataatt taatggaagg 240
 gaaagccttg ggaagatggt ggaatcatcc attcctgaaa atgaaagtct tctgtttatc 300
 aacagagcag ctaagaagct aatctaagaa tgaccagcac ctgaaagatg tagacaacat 360
 tg 362

<210> 1651
 <211> 361
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 1651
 tacggctgcg agaagacgac agaaggggtat aagtctaata ccaaattaga aactctagaa 60
 ataaatatca gtgaaactta aagcacagca atataaagta tctaagctga agcacagaaa 120
 gaataaacta tacaaagatg actggagtc atcatccaaa agctcctaga tctgatacac 180
 aaatccatta tagtctcaaa atacaaaatc agcatacaca aattagtagc actgctgtac 240
 accaacaacg accaagctga gaatcaaatc aagaactcat ttccttttac aacagctgca 300
 aaaaaataaa atactaagga atatacttaa ccaaggaagt gaaagacccc cacaagaaaa 360
 n 361

<210> 1652
 <211> 386
 <212> DNA
 <213> Homo sapien

<400> 1652
 cgttgctgtc ggggactcag aatagccaaa acaatcattg aaaaaaaaaa aaaaaaacaa 60
 tgttgcaaaa tttatacttt ttgatttcaa aacttactac aaaattaccc tgatcaaaat 120
 agtatggtag gggatatagga taaacatccg gaataaaatt caaagtccaa aaataacctt 180
 atatatgcat agccagttgt tttttgagga ggatgccaaa accatttctgg ggcaaaaaaa 240
 tagttttttc aacaaagggg gctgggacca ctggatatcc atatgtatgt gaataaattg 300
 ggacccctac cttttttcat acccaaaaat tacctcaaaa aatggatcaa agacttaatt 360
 gtaggagtaa aacctccaaa tttcta 386

<210> 1653
 <211> 409
 <212> DNA
 <213> Homo sapien

ctggcaggct	gtagccgagc	gcgggcagga	ctcgtcccgg	caggggtcca	gagccatggg	60
agcggaaaag	aggctgctgt	cgattaagga	ggcctttcgg	ctggcgcagc	agccgcacca	120
gaaccaggcg	aagctggtgg	tggcgctgag	ccgcacctac	cgcacgatgg	atgataagac	180
agtttttcat	gaggagtcca	ttcattacct	taaatatggt	atggtggtct	ataaacgtga	240
accagctgtg	gagagggtaa	tagaatttgc	agcaaagttt	gttacctcat	ttcaccaatc	300
agatatggaa	gatgatgagg	aagaggaaga	tggtggcctt	ttaaattatt	tgtttacttt	360
tctcttaaaq	tctcatgaaq	caaacagcaa	tgcagtgaqa	tttagagtg		409

<211> 382

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (382)$

<223> n = A, T, C or G

tacggctgcg	agaagacgac	agaagggtcg	cgcatttga	ctccagcctg	ggagacaaga	60
gcaaaactcc	aactcanaaa	aaaaaaaaaa	aaaaccgggg	aaaaaatTTT	tgggggtttt	120
TTTTTaaaaa	caaaaaaaaa	TTTTTTTccc	caaaaaaagg	gggggggattt	gaaattttttg	180
aaaaagggga	gggaaacCCa	aaaaaaaaatt	TTTTccggga	aggaaatttc	ccttcaaaaa	240
acctgggaaa	aaccggggac	ccccctccc	ttaaagggga	cccccttggg	ggggaaggggg	300
gttggytg	aaacctataa	ttaaagaaaa	gcccaaatg	gccttttctt	TTTTTcccgg	360
ggcaaaaaaq	ggcatggccc	cc				382

<211> 390

<212> DNA

<213> Homo sapien

gaattcggca	cgaggagcct	aaaaggtggc	agcaggtggg	taagaggctt	atttagcaca	60
ttaggggcag	tgagcacctg	gaggaaggag	ggcgctccca	atcacccgta	ggaggccatc	120
tgcacaccaa	gcggcaattc	acctgctggc	gcttttctca	ggtgacaagc	acaatactac	180
agtcttcaca	ctgtttacag	ccctgggcac	cagccacccg	gcactggctc	ttcatcacag	240
ctctgctctt	gcttagctag	tgggggtggg	gaaagggcag	ggatttgttt	ttttaattgg	300
gtggaagcgc	tattgagcat	cctccacacc	aaggttgatg	aagggaaggga	tcccagcagg	360
gtttctgctc	tggggtggc	aggttgcttg				390

<211> 318

<212> DNA

<213> Homo sapien

aggaggataa	catcgagccg	gaggagacga	gtcgcagaac	cccggatccg	gcgaagtcgg	60
ggggcggctg	taggaacaag	gcggagaagc	gtctccggg	acctgacgag	ctgtttagga	120
gcgtgactcg	cccggecttt	ctctacaatc	cgctcaaca	acagatagac	tgggagagggc	180

```
<210> 1657
<211> 425
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1) ... (425)
<223> n = A,T,C or G
```

```
<210> 1658
<211> 161
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> {1}...{161}
<223> n = A,T,C or G
```

```
<210> 1659
<211> 370
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(370)  
<223> n = A,T,C or G
```

<400> 1659
tacggctgcg agaagacgac agannncgct cccatttctt gctagctatt gcaaattgagg 60

```
<210> 1660
<211> 233
<212> DNA
<213> Homo sapien
```

```
<210> 1661
<211> 371
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(371)  
<223> n = A,T,C or G
```

```
<210> 1662
<211> 364
<212> DNA
<213> Homo sapien
```

<400>	1662					
tacggctg	cgaagaacgac	agaaggggaa	actgatagtg	gattattgta	aacttaacca	60
agtggtgact	gcaaaattca	cacatctctg	gtccctgcta	ctgcatgcag	ctgttgatct	120
gacgaatgcc	cttctcttta	tacctgtcca	taaggccag	cagaagcagt	ttgcatccag	180
ctggtaaggc	cggcaatgcc	ccttggcggg	ctgggctgat	gggtatatca	gctctccagc	240
cctatgtcac	agtttagttc	acagtcattc	tgatcacctt	tcccttccac	agatatcata	300
ctggggctgg	gcacgtggct	cactcctgta	atcctagcac	ttcaggaggc	cgaggcagga	360
ggag						364

<400> 1663

<210> 1664

<400> 1664

<210> 1665

$\langle 220 \rangle$

<400> 1665

<210> 1666

```
<211> 252
<212> DNA
<213> Homo sapien
```


<400> 1666

<211> 441

<213> Homo sapien

<221> misc feature

<223> n = A,T,C or G

<400> 1667

<211> 366

<213> Homo sapien

<400> 1668

<211> 349

<213> Homo sapien

<221> misc feature

<223> n = A,T,C or G

<220>
 <221> misc_feature
 <222> (1)...(375)
 <223> n = A,T,C or G

<400> 1672
 tacggctgcg agaagacgac agaaggggat aggaatgaag atcatttaca ttcagaagaa 60
 aattgaaacc caatgcaagg aatctaagga atacaataaa atgatacagg agataaaaga 120
 tgaaacggcc attttaaaga agaaccaaac tgaagtgata gagctgaaaa actcacttcc 180
 agaattttgt aataaaatca caaatattaa cagcagaatc aaccaagctg aagaaagaat 240
 ctgagagctg aagacaaatt ctctgaaata actcaagcag acaaaaatag agaaaaatca 300
 aaaaagaaga atgaacaaaa cctcttagaa atatgggtgt atgtaaagag accaaattta 360
 tgacttataa gcctn 375

<210> 1673
 <211> 377
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(377)
 <223> n = A,T,C or G

<400> 1673
 gcaggatccc atcgattcgg aaagacacag atggcaatag agacagcgat ggaactgcag 60
 gatccaaaga tgaatggagc cctcccttcg gatgctgtgg gctacaggca agaacgtgag 120
 ggcttcctgc ccagtcgtgg tccgtctcct gggagcaagc cgggtccagtt catggatttc 180
 gaggggaaga catcgtttgg aatgtcagtg ttcaacctca gcaacgccat catgggcagc 240
 ggcatcctgg ggctggccta tgccatggcc cacacggggg tcatcttctt cctggccctg 300
 ctgctgtgca ttgcgcttct gtcgcctact ccatcacctn ctgctgactg ggctggattg 360
 aggcattcca cctatga 377

<210> 1674
 <211> 411
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(411)
 <223> n = A,T,C or G

<400> 1674
 ggcacgaggg cacacggggc agcgaccctt cgtgtgcaac tggctcttct gcgggaagag 60
 cttcacgcgc tcggacgagc tgcagcggca cctgcggact cacacggggc agaagcgctt 120
 tgctgtccc gagtgcggca agcgcttcat gcgcagcgac cacctcgcga agcacgtcaa 180
 gactcaccag aataagaagc tcaaagtcgc tgaggccgga gttaagcggg aggacgcgcg 240
 ggacctgtga gccctcccgg aggtggaccc cctttccagc acctctgcga gagatccgga 300
 gacctgtggg cagctggcgg aggggagact cagcagacgg accctcgtcc gtgcctgcct 360

tccanaatgg agccaggctt ccaactttcg ctggcttacg acatagggac g

411

<210> 1675
 <211> 401
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(401)
 <223> n = A,T,C or G

<400> 1675
 tacgtctgcg agaagacgac agaacgttca gttccatgac aagatagatc agatccttga 60
 gagcctggac cgcacgtcgtg aacgtctgag gcagccaccc tctatctctg cagagggtcgt 120
 gaagatcaag gaacagatca gtgaaaataa gaatgcgtca gtagacatgg aaaagctaca 180
 gccgttgat gaaactctta aacagagggg agaggaaatg attgctagat ctgggggggac 240
 tgataaagac atatctgccg gagctgctca ggataagctt gaccaaata gtttcatttg 300
 ggagaacata cacacactgg tgggaagagag ggaagccaaa ctactggatg tgatggagct 360
 agcagagaag ctctggtgtg atcacatgtc attgatagtt n 401

<210> 1676
 <211> 389
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(389)
 <223> n = A,T,C or G

<400> 1676
 attcggacga gcagactcct caatctgagt gagagtttag tcaaaatctg gtttcagaac 60
 cggcggatga aaatgaagaa aatgaataag gagcagggca aagagtaaag attaaagatt 120
 acccccagtc ctccctagct cttccccatc tcaactcttag ttatgtgacg actgcaaagc 180
 cagtgcgtgc tgggatgtat tcaagtgaat ggggaaggga gtctctcttc caagtccttt 240
 atctgcacct agaacctccc tcctttcctt tggccttacc tgtctctctc ttctctctag 300
 gngtcaggaa gaaagtttgg tggattagaa gatagaaata ggtggtccta agaattgtgat 360
 ggccacaagg gaagagagac cccagtcag 389

<210> 1677
 <211> 370
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(370)
 <223> n = A,T,C or G

<400> 1677

```
<210> 1678
<211> 328
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G
```

```
<210> 1679
<211> 356
<212> DNA
<213> Homo sapien
```

```
<210> 1680
<211> 404
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G
```

```

aaagatgaat atgagaaact cgccgagaag aggcacacgg aagagagaga aaagaaagat 120
ggaaaaccag tgcagcctgt caagcgagag cttttacggc atagggacta caagggtggac 180
ttggaatcca agcttgggaa gacaattgtc attaccaaga caaccctca atctgagatg 240
ggaggatatt actgcaatgt ctgtgactgt gtgggtgaagg actccatcaa ctttcttgat 300
cacattaatg gaaagaaaca tcagagaaac cttggcatgt ctatgcgtgt ggaacgtcca 360
ccccgaata angtgaagaa acgtttgagg gcacaacaag aaaa 404

```

```

<210> 1681
<211> 393
<212> DNA
<213> Homo sapien

```

```

<400> 1681
cgttgctgtc ggtgcaatct gagtacgac cctgttctag gcatgacagg tgattggctc 60
tagtaaaaac tgatgcagtg acattattct tagtgtttcc aaaggagaga aagctgaaga 120
attcgtggcc gcaggagttt tttttttttt tttttttgta aaaaaatttt ttttttgccc 180
cccggttga agggaggggc ccaatttggg ttaaattggaa cccccccct ccgggttggc 240
ccctttttcc tgccccaacc ctttgaattt ttgggaaaaa gggggccccc ccccccccc 300
ggtttatttt ttgttttttt aaaaaaaagg gggttttctt tgtttaccgg ggggggtttt 360
aaatcccggg ccctgggaac cccccccctt acc 393

```

```

<210> 1682
<211> 223
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(223)
<223> n = A,T,C or G

```

```

<400> 1682
ggcacgaggc tacgcgccac ggnctgaagc tgagaaaact ttcagttatc cgtggatctg 60
ctgctcaagc tacacgatga gcgtgtgttg gttgctttcg gccagcggga cggcatccga 120
gtgggtcatg cagtgtctgc catcaatggc atggacgtga atggcaggta cacggccgac 180
gggaaagagg tgctggagta tctgggtaac cctgctaatt acn 223

```

```

<210> 1683
<211> 357
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(357)
<223> n = A,T,C or G

```

```

<400> 1683
tacggctgcg agaagacgac agaagggggc tgactctctt ttcggactta gccgcctgc 60
accaggtga aataaacagc cttgttgctc acacaaagcc tatttggtgg tctcctcaca 120
tggacgtgca tgacattggg tgctgaaacc cgggacagga ggactccttc gggagaccag 180

```

```
<210> 1684
<211> 367
<212> DNA
<213> Homo sapien
```

```
<210> 1685
<211> 391
<212> DNA
<213> Homo sapien
```

```
<210> 1686
<211> 384
<212> DNA
<213> Homo sapien
```

<400> 1686						
ggcacgagca	gcagtggacc	tgccccaaagg	ccacacgtgc	ctgggtcaggc	tggcttctga	60
tgttcagtc	cctgggccgg	gacagatttt	ttttaacgtc	ttgaaactta	aactctgtgc	120
ttgtaggata	ctgtaacctt	tttggttttt	tttttttttt	ttttttaaac	ccccccccc	180
aggggggtggg	aatgggcccc	aggaataatc	cttttttggg	ggttgggggg	tggggggggc	240
ctgaaccaa	agggcaattt	tttttttttt	tttttgcccc	cccggggggg	gggggggggg	300
gggtttaaaa	ccacggtttt	cccttggcct	tttatttcca	aaccctcttt	gccccagtt	360
tatgggtgag	aacctttttg	ccgt				384

<210> 1687
 <211> 387
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(387)
 <223> n = A,T,C or G

<400> 1687
 ggcacgagat caagtatgcc cgctttgaat aaaaacatgc ttattttgcc nnntcacgga 60
 aagtgtatga gagagctgtg gaattctttg gagatgaaca tatggatgag cacctttatg 120
 ttgcctttgc caagtttgaa gaaaatcaga aagagtttga aagggtacga gtgatttaca 180
 agtatgccct ggacagaatt tcaaaacaag atgcccaga actctttaa aattatacca 240
 tctttgagaa gaagtttggg gataggcggg gtattgaaga tatcattgtg agcaaacgga 300
 gattccagta cgaagaagaa gtgaaggcga atccacacaa ttatgatgca tggtttgatt 360
 acttgcgctt ggtagaaagt gacgcaa 387

<210> 1688
 <211> 370
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(370)
 <223> n = A,T,C or G

<400> 1688
 ggcacgaggg ccccgggggc ctggcccaga ccggcgcccc cggtcggggc aggaaggagc 60
 tgaagatcgt gatcgtgggc gacggcggtc ggggcaagac ctgctgctc atgggtgtaca 120
 gccagggctc cttccccgag cactacgccc catcggtgtt cgagaagtac acggccagcg 180
 tgaccgttgg cagcaaggag gtgaccctga acctctacga cacggccggg caagaagact 240
 atgaccgggt gcggccccctg tcctaccaga acaccacact cgtgctcctc tgctatgacg 300
 tcatgaatcc caccagctac gacaacgtcc tcatcaagtg ggtcctgagg tcacgcattt 360
 ctgccgcggg 370

<210> 1689
 <211> 399
 <212> DNA
 <213> Homo sapien

<400> 1689
 catcgattcg aattcggcac gaggggccac agccggagga cgtcccggtc gcggtcgggg 60
 agccctggca gctcttccta tgagcactat gagagtagga agaagaagaa aaggagatca 120
 gcgtccagac ctcggggaag ggagtgtcc cccaccagca gcctggagag gctctgcagg 180
 cacaagcatc agcgggaacg cagccacgag cggccagaca ggaaggagag tgtggcgtgg 240
 ccccgagacc ggaggaagcg gaggtcccgg tccccaaagt cggagcacag ggcacgggag 300
 cacaggcggc ctcggtcccc tgagaagtgg ccgcagaccc ggtcccatc cccatagatg 360
 gaaggggctg tgaggaggcg tccccacgag ccccttgca 399

<210> 1690
 <211> 389
 <212> DNA
 <213> Homo sapien

<400> 1690
 cgttgctgtc ggggcaatct gagtacgac cctgttccag gcatgacagg tgattggctc 60
 tagtaaaaac tgatgcagtg acattattct tagtgttttc aaaggagaga aagctgaaga 120
 attcgtggcc gcaggagttt tttttttttt ttttttttga aaaaaatttt ttttttgccc 180
 cccgggcggg ggggaggggg cgaattttgg gttaatggaa ccctcccccc ccgggtttac 240
 cccatttttc tggcttaacc ttttggagaa gtgggaataa agggccccc ccccccacccc 300
 ggcttatttt ttggtttttt aagaaaaaag ggggtttcct tggttaacc agaagggctc 360
 aaatctctgg ccctggggac cccccccc 389

<210> 1691
 <211> 368
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(368)
 <223> n = A,T,C or G

<400> 1691
 tacggctgcy agaagacnac naaagggggg gccaatggga aaggaggcgy gggcagcctc 60
 aatgccagcy gacgaaggac acccccaaat tgtgctgctg aggatatcaa agccagcctc 120
 tcttccacca acaaaaggaa aaacaagcct ccaatggagc tggacctgaa ctccagctct 180
 gaggacaata agcctggaaa gcgtgtccgc acaaattcca gaagcactcc cactaccctc 240
 caagggaac cagagactac ttttttggac caaggctgct cttctccagt gttaatcgac 300
 tgtccccacc caaactgcaa caaaaagtac aagcacatta acggcctgag gtaccaccag 360
 gctcatgc 368

<210> 1692
 <211> 397
 <212> DNA
 <213> Homo sapien

<400> 1692
 cacggtttca ctatggtctg gtcttgaact ccttacctca agtgatccac ccgctgcagc 60
 ctcccaaagt gctgggatta caggcgtgag ccactgctcc tgctcccgcc ccatttttta 120
 aattattatt ttgagacagg gtctcactct gttgcccagg ctggtggaac acagtgggtg 180
 aatcatagct cactacaccc tagaactcct gggctcagcc tccaggggga ggatcctcca 240
 gcttcagcct cccaagtagc tgggacagat gcatgccact acgccagct aatgtggctt 300
 ttttgtggtt tttttttgat agaggtgggg tctccctgtg ttgtctaggc tgccaggcta 360
 gtcttgaact attggcctca cacagtcctc ccacctt 397

<210> 1693
 <211> 400
 <212> DNA

gaaagtttgc	aaccttctga	aacgctaaag	cagatgaata	gcatgaattc	agtaggcacc	120
ttcttagatg	taaaacgtct	cagacagtta	ccaaaattat	tttaaccttt	taactccctg	180
cccttttaat	acagggacag	ggtgtctcct	gaagatactt	agggaaaaca	ggagcctacc	240
acaaggctcc	tgatcattct	ggagtcactg	tttcttggtg	gcagccaatt	gggaagagtg	300
acttctgtga	gatggctggc	tggatagagg	actaagttct	cattgttcaa	atagagctgt	360
tcaacatcac	tgaaaccttt	aagaaaagcc	ctg			393

<210> 1697

<211> 387

<212> DNA

<213> Homo sapien

<400> 1697

ggcacgaggt	tactcaaca	tctgagaaa	gaaaatgaag	gggacattac	aatttttcc	60
gaaagtttgc	aaccttctga	aacgctaaag	cagatgaata	gcatgaattc	agtaggcacc	120
ttcttagatg	taaaacgtct	cagacagtta	ccaaaattat	tttaaccttt	taactccctg	180
cccttttaat	acagggacag	ggtgtctcct	gaagatactt	agggaaaaca	ggagcctacc	240
acaaggctcc	tgatcattct	ggagtcactg	tttcttggtg	gcagccaatt	gggaagagtg	300
acttctgtga	gatggctggc	tggatagagg	actaagttct	cattgttcaa	atagagctgt	360
tcaacatcac	tgaaaccttt	aagaaaa				387

<210> 1698

<211> 397

<212> DNA

<213> Homo sapien

<400> 1698

ggcacgagaa	tatactagtt	tatgttggca	tagcaaaagg	aaatggcatt	ctctcaaaag	60
caggaattct	caagaaattt	gaggaagaag	atttggatga	cattttaagg	aaaagattga	120
aggactcaag	tgaaatacct	ggtgtctctg	ggcatattta	tgctgggaaa	gatgttgaca	180
agataaggga	atttcttcaa	aagatttcaa	aagaacaagg	ccttgaagtt	ctaccagaac	240
atgatccaat	acgtgaccaa	agtgggtatg	tgaacaaaaa	gctccgtcaa	aggctgcttg	300
aagaatatgg	agtcagaacc	tgtactctta	ttcagttcct	tggatgatgct	attgttttgc	360
cagcgggagc	acttcatcag	gttcagaatt	ttcacag			397

<210> 1699

<211> 412

<212> DNA

<213> Homo sapien

<400> 1699

ggcacgagga	cgagccgacc	acaggcatgg	accccagcgc	gcggcgcttc	ctttggaaca	60
gccttttggc	cgtgggtgcg	gagggccggt	cagtgatgct	cacctcccat	agcatggagg	120
agtgtgaagc	gctctgctcg	cgcttagcca	tcatggtgaa	tggcggttc	cgctgcctgg	180
gcagcccgca	acatctcaag	ggcagattcg	cggcggttca	cacactgacc	ctgcgggtgc	240
ccgcgcgaag	gtcccagccg	gcagcggcct	tctgtggcgg	cgagttccct	gggtcggagc	300
tgcgcgaggc	acatggaggt	cgcttgcgct	tccagctgcc	gccgggaggg	cgctgcgccc	360
tggcgcgcgt	ctttggagag	ctggcggtgc	acggcgcgag	gcacggcggtg	gc	412

<210> 1700

<211> 402

<221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

```
<400> 1709
tacggctgcg agaagacgac agaaggggga tatgaaaaag tttcgttggt ttttactttt    60
aaatataatg gtgtatatac attctttcta tttagtctta atttggcagt caggaagtga    120
tataacttag ctgctattta caacactaga aatttagtac ttttaagtaat ttcacatcta    180
tgataacatt tgttacttta tttttaatga tttttttaca gtagttatga cagtaggggtg    240
gttatggaat tgggaatttaa actcccaact aatgagctta agctgcttgg aatattaatt    300
atgtagtttt tacattccat tttaaaacaa aaacttagaa aagatgctgg cattctgagg    360
gcctgcatta ggccacatan                                     380
```

<210> 1710
 <211> 356
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(356)
 <223> n = A,T,C or G

```
<400> 1710
taaaantnct gagaagacga cagaaggggg aggagctcaa gcagctctta ccacatgata    60
caagagccgg ctggtggaag agtggggacc agaaagagaa tttgctgaag aggagaagga    120
aaaaaaaaac cccaaaaaaa aaaattaaaa aattccccc ccccaaaaaa ccctgcccggt    180
aagggggggag aaaaacaagg ccttttttaa agggcaatca caacaatttt tgttgccagg    240
atccctttgt tttggttgaa aggatttttg tggccaactg gctggattat agggggggagt    300
tccccacccc caggatccaa ggggcacagc ggggccccca attgtccgtc ttgtgc      356
```

<210> 1711
 <211> 374
 <212> DNA
 <213> Homo sapien

```
<400> 1711
cgttgctgtc ggaagaatgc ggcgctagat gtggaacctt tacatgcttt ccgggctcac    60
aggggcccag tgttggtgtt ggctatgggc agcaacagtg aatactgcta cagtggcggg    120
gcagatgcct gcatccatag ttggaagatt ccagacctca gcatggatcc ctatgatggc    180
tacgaaccaa gcgtgctgag ccacgtcctg gagggccacg gggacgccgt gtggggcctg    240
gccttcagtc ccacctcca gcgcctggcc tcctgttctg ctgatggcac cgtccgcac    300
tgggaccca gcagcagcag cccggcctgc ctctgcacct tccccacagc cagcgagcac    360
ggtgtcccca cctc                                     374
```

<210> 1712
 <211> 401
 <212> DNA
 <213> Homo sapien

<400> 1712

```

gtgCGGagca gttgatagaa cacctgggCG ctctacatgt gctgagccag ctgacccCGc      60
agacagtgat ggaaatagac gggctcctgg gaaacaagcc gcattccaag aagtagtctg      120
tcgCGggCGc agggacccaa cccggtgtCG ctgcacccCG ccgagccCGc ctctcgcag      180
ccgcctctcc cgctccggat ccctccacgc agcggccgga gccagactag cccCGccac      240
caacgagtcc cggcttcgag tagtgatacg catgaacaaa gccatatact tttgcagtgg      300
ggtcgagaga gaaagtagca cgcCGcCGc ctgctgCGtc tttctaggcc cttcttgcaa      360
atccCGggca tgagctactc gccgtcggct ctctgccact t                                401

```

```

<210> 1713
<211> 637
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(637)
<223> n = A,T,C or G

```

```

<400> 1713
tactgttgcg agaagacgac agaagggatc gcgccactgc actccagctt gggtgacagg      60
gggagactgt cttgaaaaaa aaaatgactc cacataaaca acctaacttt acacctcaag      120
ccaagaaaag aagagaaaact aaactcaaaag cagaataaaag aagataataa cgatcagaac      180
acaaacacat gaaatagaga ctgaaaaaat aataggggaa aaaagaatga aaccaagagt      240
ttgttttttt ggaaagatat acaaaatgaa caaaacttta gctgcacaca cacacaaaaa      300
cgggaaaacg cacataagta aataagttca gaaatggaag agtagaaatt ataactgatg      360
ccacagaaat gcaaaggatc ataagaggct actctgaaca atttatacca agaaattgaa      420
taacctagaa taaatggata catttataga tatatacaac atatcaagac tgattcatga      480
agaagtagat aaatttgaag ggatcaataa tgactaattg gataaatcag ctttcaaaaa      540
cttctcaaca aacgaaagcc cangactaga cgacttcact agtgaattgt tggagcattt      600
aaatattaac aancaatgct ctcaaatact tcaaaan                                637

```

```

<210> 1714
<211> 382
<212> DNA
<213> Homo sapien

```

```

<400> 1714
ggcagcagga caattcatga cctttttgtg gaactataag tagcaaaaaa aagaaaaaga      60
tgatgtatct cacaaccaga aatgcagaat ttgatcgta tgaaatccag atatatgagg      120
aggtagccaa aatgcctccc ttccagagaa aaacattagt attgatagga gctcaagggtg      180
taggccgaag aagcttgaaa aacagggttca tagtattgaa tcccactaga tttggaacta      240
cggtgccatt tacttcacgg aaaccaaggg aagatgaaaa agatggccag gcatataagt      300
ttgtgtcacg atctgagatg gaagcagata ttaaagctgg aaagtatttg gaacatgggg      360
aatatgaagg aaatctctat gg                                              382

```

```

<210> 1715
<211> 454
<212> DNA
<213> Homo sapien

```

```

<220>

```


<221> misc_feature
 <222> (1)...(454)
 <223> n = A,T,C or G

<400> 1715
 aattcggcac gaggccaccc acatagtata ccccttgcgtg caaggatggg tgatgtatgt 60
 ctgcctcacc tcgtttctca tctccttgat gttcctggtg tcttacttgt ttggatttta 120
 caaaagaaaa ttttttagtgg tgtctttgta aaagtcaccc cccagaatct aaaaatgctg 180
 cgtatagtgg aaccttatgt gacctgggga tttccaaatc tgaagtctgt ccgagaactc 240
 attttgaaac gtggacaagc caaggtaag aataagacca tccctctgac agacaatata 300
 gtgattgagg agcacctggg gaagtttggc gtcatttgct tggaagacct cattcatgaa 360
 attgcctttc caggggaagca tttccaggag atctcatggg tcttgtgccc tttccacctc 420
 tcagtggccc gcatgctacc anaatagagt ggggt 454

<210> 1716
 <211> 393
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

<400> 1716
 ggcacgagct ctctctctct ctctctctct ctctctctct ctctctctct ctctctctct 60
 gtgtctggct ctatctctct cttgcccga ctcacccata tggagacctt aaactaggtc 120
 aaactacata tacatttaca tagatacact taagcctgtg tggggaggaa caggggtccc 180
 ccgaggaact gaggcagcgg gaggcggctg aaccctggg ggggcgggtg cttcctgtgt 240
 ggatgacaca aaactatgag agtgacgaaa tgggtgacagg tagctgggac ctaagctatc 300
 ttaccatgaa ggggtgactcg cttattgtat atttgtgcat gaagtggaac taataagcac 360
 aatagaggac gtgaactact atctagggtt ggg 393

<210> 1717
 <211> 374
 <212> DNA
 <213> Homo sapien

<400> 1717
 tacggctgcg agaagacgac agaaggggga ggagctcaag cagctcttac cacatgatac 60
 aagagccggc tgggtgaaga gtggggacca gaaagagaat ttgctgaaga ggagaaggaa 120
 aaaaaaaacc ccaaaaaaaa aaattaaaaa atcccccccc ccaaaaaaac cttgccctta 180
 agggggaaga aaaaccaggc cttttaaaaa aggcaataac aacacttttt gttgccagaa 240
 tccctttgtt ttggttgaaa ggattttgtt ggccaatttc ttgaattata ggggggagtt 300
 cccccccccc aggatccaag gggcaaaagc gggcccccca ttgtccgtct tgtccgcgtg 360
 ccgccttccc aagg 374

<210> 1718
 <211> 375
 <212> DNA
 <213> Homo sapien

<400> 1718

```

ggcacgagag aaattccatt ttgacctgta ccttgaacaa ttggttggct gagatgctgt      60
taatttgtga ctttgcccca aatttgagct cacaaaaaca tgtgttgtat ggaatcaagg     120
tttaaaggat ctagggctgt gcaggacatg ccttggttaat aaaacgttta caagcagtat     180
gcttggtaaa agtcttcgcc gttctctagt ctcaataaac cagaggcaca atgtactgtg     240
aaaagctgca gggacctctg ccctggaaag ccaggtattg tccaaggttc tccccatgtg     300
atagtctgaa atatagcctc atgggatgag aggctgtgcc ccagcccgac acccgtaaag     360
ggtctgtgct gaggt                                           375

```

<210> 1719

<211> 395

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(395)

<223> n = A,T,C or G

<400> 1719

```

ggcacgaggt tcccgcccg gactaagccg gggagcgcat cccggctact gcgggtcctg      60
ggtcttcacc tgcggagcct tacggcagct gagcgggtggg agggacctga gccgcggcgc     120
taggatggga aacagtgcgc tccgcgctca tgtggaaacg gcgcanaaaa ctggtgtctt     180
tcagcttaag gaccgagggc tgaccgagtt ccccgagac ttgcagaagc tgacgagcaa     240
tctcaggacc atcgacttgt ccaacaacaa gatcgaaagc ctaccgcctt tgctgatagg     300
aaagttcact ctgctgaaga gcctctccct gaacaacaac aaactgactg ttctgcctga     360
tgagatatgc aatctgaaaa aactagagac gctaa                                           395

```

<210> 1720

<211> 381

<212> DNA

<213> Homo sapien

<400> 1720

```

cgttgctgtc ggacaagatt attggaaatt tgttataatg aatgaaacat tttgtcatat      60
aagattcata ttacttctt atacatttga taaagtaagg catggttgcg ggtaatctgg     120
tttatttttg ttccacaagt taaataaatc ataaaacttg aaaaaaaaaa aaaaaaaaaac     180
cccagtgcgc ttttttgcgt gaaatccaaa cggaaaaaaa aacctgagta tggttgaaac     240
accccgattt gaagggcagg gaaaaaattg ttttttggg aaaattggga aggttttggg     300
ttttttggaa ccataatag ccggcataaa acaggtaaag gacaccaagg gcttgatttt     360
attgttccgg gtgcgggggg g                                           381

```

<210> 1721

<211> 401

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(401)

<223> n = A,T,C or G

<400> 1721

tattgcggtg	ctgtcgctca	ctctagaact	tccagggtccg	gtattgcaan	gggcgangaa	60
cnacggcgga	aggggaacct	ctgccttctg	ggttcaagcg	aacctactgc	ctcagcctcc	120
cgagtagctg	ggattacagg	tgcttgccac	catgcctggc	taattttcgt	atttatagta	180
gaggcagggg	ttcaccatgt	tagccaggat	gatctcaatc	tcctgacctc	atgatccacc	240
cgctcgggcc	tcccaaagtg	ctgcattatc	ttatctgatt	tttttcttgc	cttattaaga	300
cataattntc	tgctttctga	aatgagtgag	ggaagatcat	aagggaatc	cttcccatcc	360
atctgtttac	tacgataggt	gacaataatt	cactgatcac	a		401

<210> 1722

<211> 356

<212> DNA

<213> Homo sapien

<400> 1722

ggcacgaggg	ttcctccacc	tccaggggtc	aagcgattct	cctgcctcag	cctcccgagt	60
agctggcatt	acaggcacct	gccaccacac	ccggctaaat	tttgtatttt	tagtaaagaa	120
gggggtttcac	catgttggtg	aggcttgtct	caaactgact	tcaagtgatc	cacttgcttc	180
ggcctcccaa	agtgcctggg	ttacaggcgt	gagccatcac	gccagccga	gggtatcttt	240
tataccaaca	aattatatga	ctgaggtgta	atggacaaat	cctatgcaca	aagtgagggg	300
atctgaatat	gtgggcccga	gcaaaaaatt	tttagctact	tttacctta	agtcag	356

<210> 1723

<211> 355

<212> DNA

<213> Homo sapien

<400> 1723

ggcacgagat	taaattcttg	cccttccaca	gaaccagctg	gttttaagtc	tctccccata	60
gtcctcaata	tagtcaacct	agtttccctg	aaccactcac	cagcttgcat	gtacttttct	120
aactgctctc	tcctctgttc	tacctcagca	ggagtcagag	agaaaagctt	ctttgggggg	180
aatgcaggaa	gcacattggc	cccatactcc	ttccgaagct	atttagagaa	agagatacaa	240
cccttcacat	aaacacagaa	aatgagatga	ggcaatctac	atatgctcat	aatgttctct	300
tgggtgcccc	tccctacctc	cagtcctctg	ttccctgtct	accttgga	tctga	355

<210> 1724

<211> 606

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(606)

<223> n = A,T,C or G

<400> 1724

tacggctgcg	agaagacgac	agaagggccc	acactgacca	tatataaact	ggaatttctg	60
ctccatcttt	atatgcctat	taaaaatctc	ttccaattct	ctccattca	tccaaactgca	120
tagtcctttg	ttctggaaac	catgggcaaa	actgctttac	tgtactaaag	agtaataaca	180

```

aattctaagt actaactttc actcccccac tttgtatgtc ctcggtgtgc ttttcatgat 240
ttgtcctctg ctttcatatg ctctagcctt ccttcaccgg gtctttgtca cctatgttg 300
ggcgccaaga atgttggggg gatcaaacc aacacttggg catgggggtg atgaagtccc 360
gcagagtcaa aggaatgaga aaaagacagt ttgagagaga aagtggaccc gagacatcac 420
gagtatggag ctgcaaagcc ccagctctgg agcccaccta gttgtgctgt caacaaagaa 480
cagtgggaga tgtgggggtg aagaatgtgt tcagtgatga gacatatgnc cctgctcact 540
gctcacactc agtttntcca cacattccct atgacagaat aaaaggatgc tgtctcccat 600
ctcgta 606

```

<210> 1725

<211> 400

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

<400> 1725

```

gaattcggca cgagctgggc cgtttctctt tttttccgg accccgcagt ggcgccctaaa 60
gtctgcaagg aggaggtcgc ctctgtgctg tgagtcagg aatctaaggc gagtgtctgag 120
ggagaaaatg tagttgatgg ggcagagcag aaggggctgt aggtgggttg gagggggagg 180
ggaacgggca gccaggcctg gaccctgggg agtgactcac ccggagccga agaccatctc 240
agctttccct agcccagaaa ggggtgggact ggctttatct ctgcctgcca tcacctcaaa 300
atgccgnggg acaaattctta catattatta ttggtattta tttatggatt ttattttttt 360
tnggacagtc tttgtctgtc acccgactgg agtgcaagtgg 400

```

<210> 1726

<211> 375

<212> DNA

<213> Homo sapien

<400> 1726

```

tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg cggctgctgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaagggg acggctgcca gaagacgaca gaaggggtac gctgcgagaa gacgacagaa 240
gggtcaccca ccacattaac aacataaaac cctcattcac acgagaaaac accctcatgt 300
tcatacacct atccccatt ctctcctat ccctcaacc cgacatcatt accggggttt 360
tctcataaaa aaaaa 375

```

<210> 1727

<211> 374

<212> DNA

<213> Homo sapien

<400> 1727

```

tacggctgcg agaagacgac agaagggcaa gaacctgggt gccgagaggg caagggcttg 60
gatgctgctg tggggcctgc gcagagtctg ctctcatcag agaggagcga ccagctgttt 120
ccagcatttg ttccctccag ttccagcact cacctgctca cacgctccct ctgcgagga 180

```

```
<210> 1728
<211> 360
<212> DNA
<213> Homo sapien
```

```
<210> 1729
<211> 404
<212> DNA
<213> Homo sapien
```

```
<210> 1730
<211> 426
<212> DNA
<213> Homo sapien
```

```

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

<400> 1730
ggcagcagacc agctcatggc agtggttcgga tccttgctcc tctacgcctt tggcctcctg      60
ctgccgtggc gctggctggc tgtggccggg gaggcgctg tgctcatcat gatcctgctg      120
ctcagcttca tgcccaactc gcacggcttc ctgctctctc ggnqcagggg cgaagaqggc      180

```

```

ctgcggggcgc tggcctggct gcgtgggacg gacgtcgatg tccactggga gttcgagcag      240
atccaggaca acgtccggag acagagcagc cgagtatcgt gggctgaggc acgggcccccc      300
cacgtgtgcc ggcccatcna ccggggcctt gctgatgcgc ctccctgagca gctgacgggc      360
atcacgccca ttcctgtcta cctgcagtnc atcttcgaca gaaccgctgt ctgctgcccc      420
caggac                                          426

```

```

<210> 1731
<211> 366
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

```

```

<400> 1731
tacggctgcg agaagacgac agaagggcaa gaacctgggt gccgagaggg caagggcttg      60
gatgctgctg tggggcctgc gcagagtctg ctctcatcag agaggagcga ccagctgttt      120
ccagcatttg ttccctccag ttccagcact cactgctca cagctccct ctgcgagga      180
gtggccagca gcgggctgag tgaaatgcgc cactccagtt cccacctacn aagcatgtca      240
agggcaagga acaatcccg tctcaaattgt gcaagagata ttgctcttg ttttgagaat      300
cgtatgaagg atggacctaa cagagaatng ggtttcttcg tgctaattgg ggccttaatg      360
agetca                                          366

```

```

<210> 1732
<211> 379
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(379)
<223> n = A,T,C or G

```

```

<400> 1732
tacggctgcg agaagacgac agaagggcag agagtgtaat tccatctggt gaaggtcctg      60
ggtctacttg natccgcctt cttaccatgt tcttgtttct tagggagaaa atcctccacc      120
tccgggtttc ataatgcatg gaaatgttaa tccaaatgct gctggtcagc ttcccacatc      180
tccaggatcat atgcacaccc aggtaccacc ttatccacag ccacagcgta agtagtgtga      240
ccccaaagtc ctttcagagc agtatattatg atctaattta gtaactttac tttgaagccc      300
caaagtcatt tgcaaataca taagtaagaa ccattgtgcc taggattcct tgagtcctgc      360
taccaagaga catgtttttt                          379

```

```

<210> 1733
<211> 360
<212> DNA
<213> Homo sapien

```

```

<400> 1733
tacggctgcg agaagacgac agaagggcag agattgtaat tccatctggt gaagttcctg      60

```

```
<210> 1734
<211> 382
<212> DNA
<213> Homo sapien
```

```
<210> 1735
<211> 367
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(367)  
<223> n = A,T,C or G
```

```
<210> 1736
<211> 388
<212> DNA
<213> Homo sapien
```

<400> 1736						
ggcacgaggg	gcagcgggac	aaaaaacttg	gactttcgcc	gaaagtggga	caaagatgaa	60
tatgagaaac	tcgccgagaa	gaggctcacg	gaagagagag	aaaagaaaaga	tggaaaaacca	120
gtgcagcctg	tcaagcgaga	gcttttacgg	catagggact	acaaggtgga	cttgaatatc	180
aagcttgggg	agacaattgt	cattaccaag	acaaccctc	aatctgagat	gggaggatat	240
tactgcaatg	tctgtgactg	tgtggtgaag	gactccatca	actttctgga	tcacattaat	300
ggaaagaaaac	atcagagaaa	cctgggcattg	tctatgcgtg	tggaaacgttc	caccctggat	360

388

```
<210> 1737
<211> 163
<212> DNA
<213> Homo sapien
```

```

<400> 1737
agcagacgag tgctatatgt tatggcttat tgtgtgaagg taactaagaa gtgggtgttc      60
atgacttcag agtacatcca tgcggagtc attatttgag tttgacattt aataactttg     120
ctggaaaatc tgtaaaaaaag aaaaacaaqt ttgctaqtga cta                      163

```

```
<210> 1738
<211> 403
<212> DNA
<213> Homo sapien
```

<400> 1738						
gattcgaatt	cggcacgagg	tgacggcggc	gtgcagcccc	acggccgggc	tgtagcgcg	60
gagctccagg	aacacagcgc	ggctcctgcg	cagaggggtgc	ggggtctggc	tggactaaag	120
gcaaaaactaa	agcccagaag	acagaccagt	gcaccggatg	cccgtaccgc	gtgatggcca	180
ggaaggcccg	gctgtgcagc	tcctgcttga	tggcgctttg	cagacggagc	cagtgaccac	240
cgaggctgtg	ccactgcac	gggccaccat	gctgatatgc	ccggtcccag	agctgctaga	300
gaagaggtac	agaggcagcg	aagacacggt	gagggggagg	acgagaccaa	ctgcgagacg	360
ccgagtcocg	ggctctcagg	acgctctccc	gtacctgcgc	cct		403

```
<210> 1739
<211> 408
<212> DNA
<213> Homo sapien
```

<400> 1739						
ggcagcagat	cacgtgcctg	ctgagccact	acaagctgtc	tgcacggctc	ttcatcagcc	60
ggcagaccca	ggggcggagg	agagaagatg	ccctgtcctc	agaaggatgc	ctgtggccct	120
cggagagcac	agtgtcaggc	aacggaatcc	cagagccgca	ggtctacgcc	ccgcctcggc	180
ccaccgaccg	cctggccgtg	ccgcccttcg	cccagcggga	gcgcttccac	cgcttccagc	240
ccacctatcc	gtacctgcag	cacgagatcg	acctgccacc	caccatctcg	ctgtcagacg	300
gggaggagcc	cccaccctac	cagggccctc	gcaccctcca	gcttcggggac	cccgagcagc	360
agctggaact	gaaccgggag	tcggtgcgcg	cacccccaaa	cagaacca		408

```
<210> 1740
<211> 450
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(450)  
<223> n = A,T,C or G
```

<400> 1740


```

tacggctgcg agaagacgac agaaggggaa gaaggaaaaa gtgagaaaat caaagaattt    60
cagttttctac aggtaaggag ctttgaagtt gccactctat cctaacagta cacaaaaaat    120
tgaacaaact gaaaaatcaa caactcttct tacatctata agagaagtga gatcacagga    180
caaacagtgt ctcccaaat tggagtgaca gacaaatata gagaatcaca acatatcaga    240
gcagaaacct ccatggaaac cagtgtgagg ataggaaaaac ctgacccgta attgacaaat    300
ttctggagggc tctgtgtgga caagtgtgag agttaaaaaac tccaggagga cctagtttta    360
natggaccct cacacttgag aattgtacct ggaggagctn gactaggttc tcacangtaa    420
atatggagaa aaactccctt gtgttccagc                                     450

```

```

<210> 1741
<211> 473
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

```

```

<400> 1741
tttggccgaa gcggcctacg gctgcgagaa gacgacagaa gggacctatc agattaacag    60
cagattttctc accagaaacc cagcaagcta aaagggatta ggggtcccatc tttagccttc    120
ttaaacaat taccagccaa gaattttgtg tccagcgaaa ctaagagctt cataactgaa    180
ggaaagatac aatctttttc agacaaacaa atgctgagag aatttgccat taccaagcca    240
gcactacaag aactgctaaa aggagctcta aatcttgaaa aaatcctcaa aatacaccga    300
aatagaacct ccttaaagca taatctcaca ggacctataa aacaataaca caatgaagaa    360
aacaaaaaag gtattcaggg aacaactagc acaatgaata gaatagtact tcacatctca    420
gtactaacat tgaatgtaaa tggcctaaat gctccactta naaaatacag aat          473

```

```

<210> 1742
<211> 386
<212> DNA
<213> Homo sapien

```

```

<400> 1742
cgaattcggc acgaggttct gagcaactgg aggctgctgg ggctgtggtg gcggctggtg    60
gtgctgtgtg tgatgcatct gctgcagctg ctggggcaga gcctgggagg gcggaggctg    120
tggtgtgctg atcggaggct gctgaattgg ttggtggggc tgcaaagcct gctgctgctg    180
ctgctgctgc tgctgctgct gctgttgctg ttgttggagc tgcagctgtg ctattcgctg    240
cagctgctag tgctgctgct gtatctgggtg ctgattttga tgatgcaatt taattaaatg    300
ctgctgctgc tgctgctgct agctgagcta gtgctgctgc tgcactactg ctaggaactg    360
ctgctgcatg cactctgctg agcatg                                     386

```

```

<210> 1743
<211> 357
<212> DNA
<213> Homo sapien

```

```

<400> 1743
ggcacgaggc ccggacacgg acaggattga cagattgata gctctttctc gattccgtgg    60
gtggtggtgc atggccgttc ttagttggtg gagcgatttg tctggttaat tccgataacg    120

```

```

aacgagactc cggcgtgagc ctgaaaagct gctgggagaa ccagctccga aacagagtgc 180
ccggaagaga ttgtgacacc tatggaaatt taatgaattg ataaagggat cgattcgtatt 240
caatgtgaga atgttagttt atttaataaa tagtgctggg atagtgtgcg atctagaaga 300
aactcaatcc tctgggtttc ggtatacaca aaattgggtc tggattttatt atagggt 357

```

<210> 1744

<211> 380

<212> DNA

<213> Homo sapien

<400> 1744

```

ggcacgaggt gacgcgcagt cgctccccc cgcgcgcctaa gcggcggcag ctgctgcggc 60
gactgcaaag gccgatttgg agtgctggag cgaagaagag caaaagctgc gttctgcgcg 120
cgcccgactc cgctgcccgc cccgccaggc ctccgggagg tgggggctgt tatgctcata 180
ccaagaaagt ccattgccca caggcagccc ctgagagttc atgctgggat cgtgcatgac 240
cagcacggcc aggggtggaga tgtacattgc caccatagct cgtcccggtc aagaaaagtt 300
ggcctgtctt gttcttcgga aagaggcgga ataaatcttg aaaggcctga aaattgctct 360
gtgcgagctc attgtgattt 380

```

<210> 1745

<211> 389

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (389)

<223> n = A,T,C or G

<400> 1745

```

ggcacgaggc tggccttggc agatgttttc tcagaggatt catcctcctc tctctgtcag 60
ctggacatca ggtacatgag gggaggggca agacaaggga tggggctaca gagatataga 120
ccaggaattc actgcttcct ggatatctaa tccatctcac cctaccagtt ccaactgcat 180
caagccagat gggcttctgg agttcgccaa gcggctggag ccgctgggccc gtggagcctt 240
tggtcacctg cgctcttccc aaaactgggc tgaccaggat gcaggcacia gcaaggaagc 300
catnccggcg ctcgggctac cctgcatggg ntaggcgctc attggactca ttccaagccc 360
tcgcangata tngtaacaac aatgggagg 389

```

<210> 1746

<211> 228

<212> DNA

<213> Homo sapien

<400> 1746

```

ggcacgagcc aaggttaacc atttatgttt gtcaggaatc actgcagttg agggagcagc 60
aacaacagca gcagcaacag cagcagaagc atgaggatgg agactcaa at gtttaccatg 120
ctatctatct agaagaacta acagctgttg aattgacaga aaaaattgct cagcttttca 180
gcatttcccc ttgccagatc agccagattt acaagcaggg gccaacac 228

```

<210> 1747

<211> 396

<212> DNA
 <213> Homo sapien

<400> 1747

ggcacgaggt	cgggtgcacc	tggctggtcc	ccgatacctcc	ggtgccctcc	ccaccggacc	60
cgggggcctg	ggaggtgggg	ggcgaggggc	tccaggggtt	agggaggggc	tctcgattct	120
cagtcgcgag	aggctgggag	gatgagctgt	cggagttccc	ggccagggaa	gagaagggat	180
tgttgccaaa	ctgttcccgg	gcagcactga	acatgggctc	ctggatgtcc	gtgtacatgc	240
ggcggagggc	attataccct	ccaggggatgc	tctcaagggt	gctcagggcc	cggtcctggt	300
tccgcatcat	ctcttgcatc	atggctggat	tccgagcaag	ctccattgtc	tgcctcatga	360
gttcaggggt	attgagcatg	tggctgatct	cagggt			396

<210> 1748
 <211> 390
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 1748

ggcacgagga	ggcacgaagc	catccacacg	gtagccaagg	ccggccgggt	ccccctgggt	60
gctatgaaga	tgccgaccat	ggtgccctctg	agcctcctga	gcgtgcccc	gctgagcgga	120
gccggcgggg	gaggggtagg	tgttttaagt	tttttnnntt	nttttttngt	tttctggttt	180
tcattgtgtt	ttttgtttat	cttatctatc	tcctagtttt	ttttatgggt	tatttttttt	240
atgtttggta	tttccatggg	ttttattggt	ttttgttttc	ttttaaagtc	tttgttatta	300
ttatgcgctt	tgtgctgttt	ctaaattgct	ctttttgcct	gctttatgtt	catgtatttg	360
atttttgtta	gattttattg	ttttttattg				390

<210> 1749
 <211> 375
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(375)
 <223> n = A,T,C or G

<400> 1749

ggcacgaggc	gatgcgggtg	tttccccagt	ttgtggcccc	tgagtgtctg	gtgggaccgc	60
ggtgactgaa	cctagaaggt	ggagaggaat	cgtcctcggg	gcccagaggc	ggctctgcag	120
ccccgtgacg	gcgaccactg	ctccccgggc	gtgcttcccc	aagtagtccg	atggcagcgg	180
ctgtgccgag	gcgcccactc	cagggcactg	tgacctttga	agatgtggct	gtgaactttt	240
cccaggagga	gtggtgtctt	cttagtgagg	ctcagaggtg	cttgtaccgt	gatgtgatgc	300
tagagaacct	ggctctcata	tcctcgctgg	gttggttggtg	tggatcaaaa	gatgaggagg	360
caccttgtaa	gcagn					375

<210> 1750

<210> 1753
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 1753
 tacggctgct agaagacgac agaaggggac acaggttggg gcagagaaag aggaaacata 60
 gaggtgccaa aggaacaaag acataatgat gtcattccaag ccaacaagcc atgctgaagt 120
 aaatgaaacc ataccaacc cttacccacc aagcagcttt atggctcctg gatttcaaca 180
 gcctctgggt tcaatcaact tagaaaacca agctcagggg gctcagcgtg ctcagcccta 240
 tggcatcaca tctccgggaa tctttgctag cagtcaaccg gggcaaggaa atatataaat 300
 gataaatcca agtgtgggaa cagcagtaat gaactttaaa gaagaagcaa agcactaggg 360
 tgatccagag 370

<210> 1754
 <211> 406
 <212> DNA
 <213> Homo sapien

<400> 1754
 ggcacgagct gagatcaagc ccggggtgcg cgagatccac ctgtgcaagg acgagcgcgg 60
 caagaccggg ctgaggctgc ggaaggctga ccaggggctc tttgtgcagt tgggtccaggc 120
 caacaccctt gcatcccttg tggggtgctg ctttggggac cagctcctgc agattgacgg 180
 gcgtgactgt gctgggtgga gctcgcacaa agcccatcag gtggtgaaga aggcattcagg 240
 cgataagatt gtcattggtg ttccgggacag gccgttccag cggactgtca ccatgcacaa 300
 ggacagcatg ggccacgtcg gcttcgtgat caagaagggg aagattgtct ctctgggtcaa 360
 agggagttct gcggcccgcg acggggtcct caccaaccac tacgtg 406

<210> 1755
 <211> 352
 <212> DNA
 <213> Homo sapien

<400> 1755
 ggcacgaggg acgcccgtgcc gttactcgta gtcaggcggc ggcgcaggcg gcggcggcgg 60
 catagcgcac agcgcgcctt agcagcagca gcagcagcag cagcatcgga ggtacccccg 120
 ccgtcgcagc ccccgcgctg gtgcagccac cctcgtccc tctggtcttc ctccctttgc 180
 tcgcaccatg ggtgagaaac tggacgaaaa acaaaatggc ggaatccagg agacccttct 240
 ccttattgag aaagagaggg aagggcacca tcacaacaaa ggacctggaa acggacatga 300
 ggtcactggg tcaaaaccca acagaagctg aatggcagga tatgatcaat ga 352

<210> 1756
 <211> 352
 <212> DNA
 <213> Homo sapien

<400> 1756
 gcagacatcc ctttaaaagt agttggaatg ttcccaagta gaggtgagaa aagggcactt 60
 tggaaactcg catatgactt gtattcctgt acttctatat ataaatttgg acgaatagaa 120
 gtaaataatg ttattggtga aaaagaattc cagaaactaa tggcagatcc cggaatcca 180

gacttgtatc	atgtattaag	tgttatctgg	caattagctt	gtgagattaa	ggttctgcac	240
atggagcctt	ggatcatcatt	tgatataatac	acccggaaag	ggccgctgga	aaacccaaag	300
cgtagggaat	tattagacca	attacaacaa	aagctgtatc	ttattcaaat	ga	352

<210> 1757
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 1757						
ggcacgaggg	gtttggcgg	ttgaaggcat	gggttggggc	ggacgctggg	ctgacctgta	60
gcctggagcc	ccggggccga	gggagctggc	ctgccaccgt	ggcggaggaa	agctagtgcc	120
agccctacca	gatacctccc	tcggacctct	aacgggctct	cagccagcgc	cccagggtag	180
ttcgagaggg	agcagggccc	tggggacaag	ggcttaactg	gcatgggctg	agcccccttg	240
gctggccatc	atgccgaagc	atccagaccc	tgcgagtgtc	tagcggagat	ctggggccagc	300
ttcccactgg	cattcgagaa	tttgtagagc	acagggcccg	cctgggtgca	ccagagggcg	360
atccccattg						370

<210> 1758
 <211> 397
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

<400> 1758						
ggcacgagct	cgttctttac	acagagttca	ctgacttgaa	gtatactcag	ttaaaatcgg	60
ggctggaggt	gcagacgggt	tctgaccgga	ggatgtggcc	gtgcccgcg	agcactcttg	120
atctgagctg	acctgtgtgt	gtgggggggg	gggggggggn	nccnccacc	tnacttaana	180
caccttcttt	ttctttcttg	ggtcagcccc	tgtctgttgg	cgcgatttac	ctaaacatca	240
agtggggggc	ggggcccccc	aaggggcatt	tgtctgttta	agaacgaata	tccttgaggg	300
gggggacaga	atcttttatt	tacaacctcc	ctcttttttt	ttagaatgaa	aaggaggaaa	360
gagccgggtg	ggacacccaa	caagtttgct	ccccctt			397

<210> 1759
 <211> 395
 <212> DNA
 <213> Homo sapien

<400> 1759						
attcgaattc	ggcacgaggg	cgcgatggcg	ctgttggccg	gcgggctctc	cagagggctg	60
ggctccacc	cgccgcgcgc	aggccgggac	gcggtcgtct	tcgtgtggct	tctgcttagc	120
acctggtgca	cagctcctgc	cagggccatc	caggtgaccg	tgtccaaccc	ctaccacgtg	180
gtgatcctct	tccagcctgt	gacctgccc	tgtacctacc	agatgacctc	gacccccacg	240
caacccatcg	tcctctggaa	gtacaagtct	ttctgcccgg	accgcatcgc	cgatgccttc	300
tccccggcca	gcgtcgacaa	ccagctcaat	gccagcttgc	agccggggacc	caggctacac	360
ccctacgtca	agtgcaggac	agcggcgcac	cgcag			395

<400> 1760						
tacgttttgcg	agaagacgac	agaaggggct	tatgacagtc	agtgcccata	tgcaccattg	60
tgggacttga	ggaaaggctt	gccagcttaa	ttcctctgtt	tccagtgcc	aagcacacta	120
tccaggttcc	tggttatttc	agtgtcccat	ctgccaccat	tggcacctga	gcactcctcc	180
cagggcctaa	ggataggccc	acctagcctg	ctgcttcac	cacagctggc	acccactcac	240
acgcaccaac	catgggcctc	gggactggcc	catccagttt	atcacggcaa	ctaccaatat	300
cgggtgtggac	agcatgaaag	ccagagggtt	atgcaactac	tgttactgcc	attgtccctg	360
ccacacctgc	aaccaagggg	accaaggacc	tagccacca	gccagcccac	tgtgtccact	420
gntgccactc	aagcaagctg	cttagtgact	caataacctg	tccacctgta	ggcactaaaa	480
atggtgcctg	tgtatgtctg	cctggngcan	aaggacaggc	acactcagcc	agccactgtc	540
acctcanggg	ctcagggact	gcgcacctta	cgttctgtcc	cagcaaactt	tatcatagct	600
cactaacaat	gactctagcc	actgag				626

<400> 1761						
ggcacgaggg	gaccacagca	ctggtttgta	ccgatactct	gcacatggac	cagaaaaagt	60
gtgtgggacc	ttaaactcac	cttctttact	tgtatcaaat	gatagactgg	tatactggtc	120
tcccatccct	ttgcttgggg	caggaaatgg	cttaaataaa	taacttaacc	ttactaaaaa	180
aaaaaaaaaa	atggctctct	gccctataaa	actataggga	gtcggtttgc	ggaaccccca	240
acccaaaata	aaccttcgtt	gagcgggcac	aacccccacc	taatacggag	gtaaaaagag	300
cctttttttc	gaaaattggg	gagcctatcc	cttttttgta	acccttaata	ggcggcgaag	360
aacacgttat	caccacgggt	ggctctctgt	aatggtgag			399

<400>	1762						
cgttgctgtc	gaagagtgct	gcagctgccg	catctggatc	cagccaacaa	ggatctgcaa		60
aaaaatggaga	aaacacagca	aatggggagg	agaatggagc	acatactata	gcaaataatc		120
atactgatat	gatggaagtg	gatggggatg	ttgaaatccc	tcctaataaa	gctgttgtgt		180
tgcggggcca	tgaatctgaa	gtttttatct	gtgcctggaa	ccctgttagt	gatctcctag		240
catcagggtc	tggagactca	acagcaagaa	tatggaatct	tagtgagaac	agcaccagtg		300
gctctacaca	gttagtactt	agacattgta	tacgagaagg	agggcaagat	gttccaagca		360
acaaggatgt	cac						373

<400> 1763

```
<210> 1764
<211> 373
<212> DNA
<213> Homo sapien
```

<400> 1764

```
<210> 1765
<211> 399
<212> DNA
<213> Homo sapien
```

<400> 1765

```
<210> 1766
<211> 352
<212> DNA
<213> Homo sapien
```

<400> 1766

tacggctgcg	agaagacgac	agaagggtac	ggctgcgaga	agacgacaga	agggtacggc	60
tcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aagggtgccg	ctgctagacg	acgacagaag	ggtgccccctc	attatcttac	180

ttatttagact	accattttact	atctcacttc	taggaatact	actatattgc	tcacaccgca	240
tattcttcct	actgtgccta	gaaggaataa	tactatcgct	gctcattata	tctactctaa	300
taaccctcag	cgctcactcc	ctattagcca	atagtgcgcc	tattgccata	ct	352

<210> 1767
 <211> 380
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

<400> 1767						
ggcacgaggt	aaatcgagat	aatttatcag	aatgaatttc	tgctcgtctgt	tgctgttttag	60
gtggctttat	tttcacttca	gcagaaaaag	aggcaaaatt	agtttatagc	aattcctcct	120
ctggtcctac	tgctactctg	cagaaaattc	ccaacaccca	tttgtcatct	gttacaacct	180
ctgacctctc	tcacagggct	tgccaccatt	cttcttttct	tcacaaattcct	tcagctatcc	240
ccagcatgcc	tcaccagcca	acaattttac	tgaacacagt	ctctgccagt	gcttctccct	300
gcctacatcc	cggggcacag	aacatcccaa	gcctactggg	cctgccacgc	tgctcgatcag	360
gaagtcacac	cattgggtccn					380

<210> 1768
 <211> 229
 <212> DNA
 <213> Homo sapien

<400> 1768						
atggaccaat	atacactgtg	gtaaactaca	tttaccacaac	acccgcgttt	atztatgtgt	60
aatgatccgt	agaggtgatg	gaagcaccca	caccaccctg	gagcactctg	attgtgcctt	120
catggtagac	aatgaggcca	tctatgacat	ctgtcgtaga	aacctcgata	tcgagcgccc	180
aacctacact	aaccttaacc	gccttattag	ccagattgtg	tcctccatc		229

<210> 1769
 <211> 389
 <212> DNA
 <213> Homo sapien

<400> 1769						
ttcgaattcg	gcacgagaag	aaatggcttc	cctcttttgcg	gtagctatta	ctgtacctcc	60
ttctgttcct	aggcgtgctc	ctgttcccc	tgccctcctc	ttacctgggtg	actctggcac	120
tattattcca	ccaccacctg	ctcctggagg	tggagggtgga	ggtaactatg	gccaaagatca	180
atcctccatg	agtagtggag	gtggcagcgg	tggcgggtat	ggcaatcaaa	accagagtgg	240
tggagggtggg	agcgggtggct	atggacagca	ggaccgtgga	ggccgcgcaa	gggtggcagt	300
gttgccgcgg	cgcagccgcg	gtgtggttac	aaccgcagca	tggtgggttg	aacccaaaag	360
cgtgaagtgg	ccccgaagca	aaagtgggtt				389

<210> 1770
 <211> 389
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(389)

<223> n = A,T,C or G

<400> 1770

cgattcgaat	tcggcagcag	gttaaaagga	cgttccagaa	gcattctgggg	acagaaccag	60
cctcttccag	ggaggcctgg	gagctggggg	ggtgtgtctg	gcagtccttg	cagccctggg	120
ctctgcgggc	cctgcgtcct	ccgcttggtt	ctgccactgc	atctgagtgt	cttctctcct	180
cacggctccc	cgcatttcta	actctttctg	cctcctcgtc	tcaaagctgt	tccttccccc	240
gactcaagaa	tccccggagg	cccggaggcc	tgcagcagga	gcggccatga	agaagctgat	300
ggngngctg	agtctgattg	ctgcagcctg	ggcagaggag	cagaataagt	tgtgcatggc	360
ggaccctgcg	acaagaatct	cacccttan				389

<210> 1771

<211> 224

<212> DNA

<213> Homo sapien

<400> 1771

ggcacgaggg	atcttcaggc	ccaggataga	tgtcatagaa	ttggtcagac	aaagccagtt	60
ggtgtttatc	gccttggtac	agcaaatact	atcgatcaga	aaattgtgga	aagagcagct	120
gctaaaagga	aactggaaaa	gttgatcatc	cataaaaaatc	atttcaaagg	tggtcagctc	180
ggattaaatc	tgtctaagaa	tttcttagat	cctaaggaat	taat		224

<210> 1772

<211> 391

<212> DNA

<213> Homo sapien

<400> 1772

ggcacgagga	gagaactagt	ctcgagagca	gttctctcag	agaactagtc	tcgagagcag	60
tttttttttt	ttttttttta	gttcagggtt	tttattaacc	caaacagtaa	cttgtcttcg	120
ggtttgttga	aacagtaagt	caaacaactt	ttgccacaat	aatgtttgtc	aaagggactt	180
gccttaaacc	ccccacccc	cccctagttt	ttatggaaac	cattagccta	ctctttcaac	240
caatagccct	ggccgtacct	ctaaccgtta	acattactgg	gggccaccta	ctcttgcccc	300
taattggaag	ccccccccta	ccaatatcaa	ccattaacct	tccctctacc	cttataattt	360
tcacaattct	aattctacgg	actatcctaa	a			391

<210> 1773

<211> 389

<212> DNA

<213> Homo sapien

<400> 1773

ggcacgagat	cagggatcgc	cacctcacac	agtgccaaagc	ccccgacgca	caaatatgtc	60
cggggagaga	atggccctgg	gggcttcata	gtgctcaagt	cggccagtaa	cccccggtgt	120
tgcacctttg	tctggattct	taatacagat	ctcaaggtgg	ggtgctgggg	ggctgccagg	180
tgggttctgt	ggagtggagg	ggaccctgct	gctgacttgg	ttgctgcatg	actttggggg	240

ctctctgcc	tgctggg	tcccctt	gagccac	tcttact	aaattt	300
caggggtcc	atgggtct	aaccctg	tgctgtagg	catgtgccc	cccttcttac	360
ctctgagtc	tgaggccct	aggaagg				389

<210> 1774

<211> 226

<212> DNA

<213> Homo sapien

<400> 1774

ggcacgagg	atcttcagg	ccaggatag	tgtcataga	ttggtcagac	aaagccagtt	60
gttggtttat	gccttggtac	agcaaatact	atcgatcaga	aaattgtgga	aagagcagct	120
gctaaaagga	aactggaaaa	gttgatcatc	cataaaaaatc	atttcaaagg	tggtcagtc	180
ggattaaatc	tgtctaagaa	tttcttagat	cctaaggaat	taatgg		226

<210> 1775

<211> 178

<212> DNA

<213> Homo sapien

<400> 1775

cgcagaggag	gtatcattct	gactctgttg	acatcccgaa	gtaatgctca	gcgccaggaa	60
atctctgcag	cttttaagac	tctgtttggc	agggatcttc	tggtatgacct	gaaatcacaa	120
ctaactggaa	aatccgaaaa	attaattgcg	gctctgatga	aactctctcg	gctctatg	178

<210> 1776

<211> 375

<212> DNA

<213> Homo sapien

<400> 1776

cgttgctgtc	gagagaagca	gcaccgcatg	gtgtggcagg	agaaggagga	catgcacaag	60
caattgggtt	aagcttcaga	gacattgaaa	tcccaagcca	aagaactgaa	agatgccc	120
cagcagcaaa	agctggccct	gcaggagtcc	ttggagctca	atgagctcat	ggcagagctc	180
tactcccaga	agcagaaggt	gtgggacaag	gaggaggaga	tggaagtagc	catgcagaaa	240
gctgacatga	tgtggcagga	gatctgaaga	tccaagaagc	tcagaaagag	gatgctgttt	300
agccagatgc	ggtggctcac	gcctgtaatc	ccagcacttt	gggaggtcga	ggcgggtgga	360
tgacctgagg	tcagg					375

<210> 1777

<211> 352

<212> DNA

<213> Homo sapien

<400> 1777

ggcacgagg	ccagctcctc	tgacagcgaa	gactccgaaa	cagagatggc	tccgaagtca	60
aaaaagaagg	ggcaccgccg	gagggagcag	aagaagcacc	atcatcacca	ccatcagcag	120
atgcagcagg	ccccggctcc	tgtgccccag	ccactgcaga	cgcccccgcc	agtccccccc	180
cagccacaac	ccccaccgc	tccagctccc	cagcccgtac	agagccaccc	acccatcatc	240
gcggccaccc	cacagcctgt	gaagacaaa	aagggagtga	agaggaaagc	agacaccacc	300
acccccacca	ccattgacct	cattcacgag	ccaccctcgc	tgcccccgga	gg	352

<210> 1778
 <211> 431
 <212> DNA
 <213> Homo sapien

<400> 1778
 ggcacgaggg aaagcaggag gaggtggcgg cggcgggaag atggctcctt cacctaccaa 60
 acgcaaagac cgctcagatg agaagtccaa ggatcgctca aaagataaag gggccaccaa 120
 ggagtcgagt gagaaggatc gcggccggga caaaacccga aagaggcgca gcgcttcctc 180
 agcatccagc cgctcaggaa gctccagcac ctcccgcagc tccagctcta gcagctcttc 240
 tggctctcca agtccttctc ggcgcagaca cgacaacagg aggcgctccc gctccaaatc 300
 caaaccacct aaaagagatg aaaaggagag gaaaaggcgg agcccatctc ctaagccac 360
 cgatgcacac accgcacccc accactgtac tctgaaattg gcgagtgagt ggagagccag 420
 ctctgaggag t 431

<210> 1779
 <211> 372
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(372)
 <223> n = A,T,C or G

<400> 1779
 gattcgaatt cggcacgagc tagcacgtca tctaagaatt catactgggc agaaacctta 60
 caaatgtaat gtgtgtggca aggtcttcaa tgacagtgga aacctttcaa atcataagag 120
 aattcatact ggagagaagc cgtttcaatg taacgaatgc ggcaagggtt tcagttacta 180
 ctcattgcta gcacgtcatc ggaaaattca taccggagag aaaccttaca aatgtaatga 240
 ttgtggcaaa gcctatactc agcgttcaag cctcactaaa catctgataa ttcatactgg 300
 agagaaacct tatcattgta ttgatttttg aggggcattt atccaaagtt caaaacttgc 360
 aagatatcac an 372

<210> 1780
 <211> 367
 <212> DNA
 <213> Homo sapien

<400> 1780
 cggcacgagg ctaactctgt cctgaagagt gggacaaatg cagccgggcg gcagatctag 60
 cgggagctca aagggatgtg ggcgaaatct tgagtcttct gagaaaactg tacaagacac 120
 tacgggaaca gtttgctctc ctcccagcct caaccacaat tctcacacag ctctaggggc 180
 ctgctcctct aactcacagt gggttttgtg aggcctctgt gccagaggc agacctgcat 240
 atctgagcaa aaatagcaaa gctctctca gccactggcc tgatctacac tggaagccac 300
 tttgctgcac ccccgctccc aaccctcttg cctggtagaa gagcttaaga taccctaatt 360
 actcatt 367

<210> 1781
 <211> 400

```
<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G
```

```
<210> 1782
<211> 246
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(246)
<223> n = A,T,C or G
```

```
<210> 1783
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G
```

<400> 1783						
ggcacgaggg	ggggcgagc	cttgcgagc	cctaacgcag	cgctggggag	gggggcggcc	60
taaagggggg	cggtggtcga	gcctttcaag	cggagatgga	atggggcccg	ggctcagact	120
ggtcacgggg	ggaggtgtgg	agtttttatg	nnnnnnnaca	aatacatgtg	tatatccctt	180
ttaaagaagt	tttattcaac	gtggtctgat	tttgaggttt	atcaatagct	atctatatat	240
ggtaggtgcc	tctacagttt	ttatttaata	tggggattgc	atagtgacca	gcacactgga	300
cttcgaggtg	gttcaaacia	aacagagggg	agcagttgct	attatccttt	cgccaggagc	360

381

```
<210> 1784
<211> 393
<212> DNA
<213> Homo sapien
```

<400>	1784						
ggcagcagacc	gttctgctgc	tgatcactgg	gtgaaggatg	aagggtggtga	cagctgctca		60
ggctgctcgg	tgagggtttc	actcacagaa	agacgacacc	attgcaggaa	ctgtggtcag		120
ctcttctgcc	agaagtgcag	tgcgtttcaa	tctgaaatca	aacgcttgaa	aatctcatcc		180
ccggtgcgtg	tttgtcagaa	ctgttattat	aacttacagc	atgagagagg	ttcagaagat		240
gggcctcgaa	attgttgaag	attcaacaag	ctgagtggag	accatggtct	gtagacccct		300
tcccgattct	cctgtcccag	cttggaaggc	attgaaaaca	gtctccgttt	acacatctct		360
tcataccacg	tgtttgaagt	gttaaaattc	aaa				393

```
<210> 1785
<211> 385
<212> DNA
<213> Homo sapien
```

<400> 1785						
ggcacgaggg	tggacccagg	caaggtgtcc	aggcatgtca	gacagccacg	tttgtccctg	60
gcccttgggg	gcaggtgggg	cacaggcctt	accccaacce	cagggccagc	ctctacgtgc	120
gtgcttcccg	tctctgattc	gcaggcgacc	gggtcatcaa	caccaactgc	tcggcggtgc	180
gcactcgtca	ggccctctgc	tgcaagatgt	ccgtggagta	tgacaaggtc	attgagtcog	240
ggcgcaagtg	gttttgccac	gtggatgatg	acaattatgt	gaacgcaagg	agcctcctgc	300
acctgctctg	cagcttctca	cccagccagg	acgtctacct	ggggcggacc	agcctggacc	360
acccattga	ggccaccgaq	aqqqt				385

```
<210> 1786
<211> 374
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G
```

<400>	1786						
ggcaccgaggc	aggttacatg	caaatatctt	gctatgtatg	ataaatcata	cttagattac		60
ttataatatc	taatacaatg	aaaatgctat	gtaaatagtt	gttatactgt	attgtttagg		120
gaataatgac	aataaaggtc	tgtacatggt	cattacagggt	gcaaaaccat	ccattttttt		180
tccctcatat	ttttgatctg	cagttgggtg	aatcctcaat	gaggaaaccga	tggatatagg		240
ggccaactgt	attcggttac	tctgaggtat	agaaaaggca	aaataaatga	tcagtatttt		300
ttctttacca	gtttttaatg	acttggtttc	ataccaattt	ccaatggtga	ctaattttgt		360
ttttagtacc	attn						374

<210>	1787
<211>	226

<212> DNA
<213> Homo sapien

<400> 1787

ggcagcaggt taattaggca ccggagtgca ccttcggggg atgtgtggga ggtttacact	60
cccacctgac acaccatgcg ctaattcaag gaatttctta acttcttgct tctttctata	120
aagagaaaca gttggttaact tttgtgaatt aggctgtaac tactttataa ctaacatgtc	180
ctgcctatta tctgtcagct gccaaagtact ctggtgaaga accact	226

<210> 1788
<211> 389
<212> DNA
<213> Homo sapien

<400> 1788

ttcgaattcg gcacgagcct ccggtagcct ctcccaccta acctctgcat cccccagcct	60
catgtcctgc cccatcccta tcttgctga tccctggatc tccctcagat cccctcttct	120
cagacagcgc caggccgggg tggggccggg tgggggcccga gcccacagc tgccccctc	180
ccctcccttt ttgtataatt taataaagaa atggtcgcgc ttcaaaaaaa aaaaaaaaaa	240
acgggttttg gcccttaaaa aactatgggg ggggggtttac cgaaaacca aactggaaaa	300
aaaccttggg ggggttgggc caacccccac cttaaagggcg gggaaaaaag ggcttttttg	360
ggaaaattgg ggagcctttg gtttatttg	389

<210> 1789
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 1789

atcgattcga attcggcacg aggtcacact accattatth ccccttcaaa caaataatat	60
ttttacagaa gcaggagcaa aatatggcct ttcttctaag agatataatg ttcactaatg	120
tggttatttt atattaagcc tacaacattt ttcagtttgc aaatagaact aatactagtg	180
aaaatttacc taaaaccttg gttatcaaat acatctccag tacattccgt tctttttttt	240
tttgaaacag tttcgttttg tcgcccaggc tggagtgcag gggcgcaatc tgggttaatt	300
gcaacctcca cttccggggt taacgccttt ttcttgctta agcctcccga gtagttggaa	360
ttacggggcg ccgccaccac gcccggttaa n	391

<210> 1790
<211> 406
<212> DNA
<213> Homo sapien

<400> 1790

ggcagagaa cagactactc aaacctcatt aatggtggac gcccctcccc ccaccaagct	60
ccagcatccc aggtcgacct cagactgcta tgctggcggt gaaaatttca agccagtggg	120
tcttatcttg ctagactcca taggggtggg atccgctgag caagaccatt tggctccctg	180

gcatcagccc	cctttccagg	agagtgaagg	gttctgtctc	gctggcattc	caggcagtac	240
gaaaaaaaaat	tcctgcagct	agctcgatgt	ctggccaaac	ggccacctag	ttttgtggat	300
gaaacccggg	cccctggtgg	tgtaggcacc	tgagggaatc	tcctggactg	tgggttgcca	360
agaccgtgca	aaaagcgtag	tttctgggct	gagtagcaca	gtacct		406

<210> 1791
 <211> 369
 <212> DNA
 <213> Homo sapien

<400> 1791						
tacggctgcg	agaagacgac	agaagggggg	tgtccgcggc	gctgggtcgg	tggcggaggc	60
tgaggagaag	gaggagcggg	ccgtggaggc	ttcgccgcct	aggtactgct	ataaccagaa	120
tttggtagaa	aaaggattta	cttgttgggg	ccctcttgat	aaaaagagat	gtggggggat	180
tctcgacctg	ctaacagaac	tggaaccttt	cgggaactct	aatgatccag	gacaaagaag	240
ttaccctgga	gtatgtatca	agcctggatt	tttgggtactg	caaacgatgt	aaggcaaaca	300
ttggtgggca	ccgatcttcc	tgttcattct	gcaagaaccc	aagagaagtg	acagaggcca	360
agcaagaat						369

<210> 1792
 <211> 393
 <212> DNA
 <213> Homo sapien

<400> 1792						
ggcacgagta	gaacagtctg	ttttcagaca	gtggtttgaa	aagtactttg	tgccacaggt	60
acagaagcat	ttgaaatcca	agggactttt	agaaaaagca	gtgcttcttt	tagatttccc	120
cccagcacgt	ccaaatgaag	aaatgttgag	ttcagatgat	ggcagaataa	ttgtgaagta	180
tttgccacca	aatgtcacaa	gtctgattca	accaatgagc	cagggaagtc	tagccactgt	240
aaaaagatac	tatcgagcag	gacttctcca	gaaatacatg	gatgaaggaa	atgacccaaa	300
aatatttttg	aagaacttga	cagtgttgga	tgcaatttat	gaagtgtcaa	gagcttggaa	360
catggtaaaa	tcaagtacca	taaccaaagc	atg			393

<210> 1793
 <211> 407
 <212> DNA
 <213> Homo sapien

<400> 1793						
cctgtgtgtg	cttaaaggag	gttacaaatt	ctgtgctgat	ctcttagaac	accttaagaa	60
catcagccga	aattcagatc	gatttgtctc	aatgaagggt	gatttcatca	gactaaaaag	120
ttacaggaat	gaccagtcca	tgggtgagat	gcagataatc	ggaggcgatg	atctttcaac	180
gctggctgga	aagaatgttc	tcattgttga	ggatgttgtc	ggaactggga	ggaccatgaa	240
agcactactc	agcaatatag	agaaatacaa	gccaacatg	attaaggtag	ccagtttgtt	300
ggtgaagaga	acatccagaa	gtgacggctt	tagacctgac	tatgctggat	ttgagattcc	360
aaacttattt	gtggtgggat	atgccttaga	ttacaatgaa	tacttcg		407

<210> 1794
 <211> 484
 <212> DNA
 <213> Homo sapien


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<400> 1794
atataagaca agctccttgt tctttatgca ggatccgata gagtcgaatt cggcacgagg      60
ttggacccag gcaaggtgtt caggtttgtc agacagccac gttgtgccct ggcccttgtg      120
ggcaggtggg gcacagggct tagcccaacc ccagagccag cctctacgtg cgtgcttccc      180
gtctctgatt cgcaggcgac cgtgtcatca acaccaactg ctccggcgggt cgcactcgtc      240
aggccctctg ctgcaagatg tccgtggagt atgacaagtt cattgagtcc gggcgcaagt      300
ggttttgcca cgtggatgat gacaattatg tgaacgcaag gagcctcctg cacctgctct      360
ccagcttctc acccagccag gacgtctacc tggggcggcc cagcctggac caccctattg      420
aggccaccga gaggtccag ggtggcagaa ctgtgagtggt cggagcagac gccattcgag      480
caag                                         484

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<210> 1795
<211> 402
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

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<400> 1795
ggcacgagct tccccattg atgttttaat cttgacaacg gatggatgtt atgctatgg      60
tggccagggt catggcggct tgatgggaat tattcagaga gctatgggtc aggcttgtcc      120
tcatgtctgg tttgaacgct cagaaatgaa ggatcgacac ctggttacta agagactaaa      180
agaacatatt gctgataaga agaaactacc catactaatt tttcctgaag gaacttgcac      240
caacaatact tcagtcatga tgtttaaaaa ggggagcttt gaaattggag gaaccataca      300
tccagttgca attaagtata accctcagtt cgggtgatgca ttttgggaca gtagtaaata      360
caacatggtg agctacctgc ttctaataat gaccagctgg gn                          402

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<210> 1796
<211> 345
<212> DNA
<213> Homo sapien

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<400> 1796
tacggctgcg agaagacgac agaagggcgt attcctctca aaaacatata tcgcttgttt      60
tcagcagatc ggaagcgagt tgaaactgct ttagaggctt gtagtcttcc atcttcaagg      120
aatgattcaa tacctcaaga agatttcact ccagaagtgt acagagtttt cctcaacaac      180
tttgccctcg acctgaaaat gataacatct tttcagattt ggggcaaaag gcaacctatc      240
ttaccgtggg caaagatgat ttatcaacct aacagcgaac cttggttaagg aatacttatt      300
cactctaaac agaacaggcc agattggtgg gaggatgacc cacag                          345

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<210> 1797
<211> 397
<212> DNA
<213> Homo sapien

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<400> 1797
ggcacgaggt gatggacatc gataccagcg gcaccttcaa tgtgtctcgt gtgctctatg      60

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agaagttctt	ccgggaccac	ggaggggtga	tcgtgaacat	cactgccacc	ctggggaacc	120
gggggcaggc	gctccaggtg	catgcaggct	ccgccaaggc	cgctgtggac	gcgatgacgc	180
ggcacttggc	tgtggagtgg	ggtcccaaaa	acatccgcgt	caacagcctc	gcccttggcc	240
ccatcagtgg	cacagagggg	ctccggcgac	tgggaatctt	ccggccgctg	cttcttgccg	300
cctcactcag	ccaggtggag	agcaccaatc	tgaaccagea	atgcctgcag	cccagcccct	360
cctctgaaca	ctcagctatt	actgcgcttt	cctctct			397

<210> 1798
 <211> 425
 <212> DNA
 <213> Homo sapien

<400> 1798						
gagcccattg	atgactcttg	gaatgccgct	actgcggggt	tccgtcgaga	tccaatctca	60
gcacgacgac	gactgctcac	tttggcgacg	tcttttgcac	cagcttctat	gacagtgtgg	120
cgacgctcct	gctgcgaatg	atgaccacct	gggccattgt	ctgcagcgtg	tgttacctgc	180
ctcccatgac	tagagaggca	gatgaagatg	ctgtccagtt	tgcgaatagg	gtgaaatctg	240
ccattgccag	gcagggagga	cttgtggacc	tgctgtggga	tgggggcctg	aagagggaga	300
aggtgaaaga	cacgttcaag	gaggagcagc	agaagctgta	cagcaagatg	atcgtgggga	360
accacaagga	caggagccgc	tcctgagcct	gcctccaact	ggcttgggcc	aaccgggcgg	420
gggagc						425

<210> 1799
 <211> 351
 <212> DNA
 <213> Homo sapien

<400> 1799						
tacggctccg	agaagacgac	agaagggctg	atgttgatct	aaatctcaaa	ggacccaaaa	60
tcaaggggga	tgtggatgtg	tctgtgcctg	aggtagaagg	taaacttgaa	gtaccagata	120
tgaacatcag	gggccccaaa	gttgatgtaa	atgccccga	tgtccaagct	ccagactggc	180
acctgaagat	gccaagatg	aaaatgccca	agttcagcat	gcctggcttc	aaagcagagg	240
gccctgaagt	agacgtcaac	ttgcctaagg	ctgacgttgt	catctcagga	ccaaggtgg	300
acattgaagg	ccctgatgtt	aatattgaag	gaccagaggg	aaagttgaaa	g	351

<210> 1800
 <211> 351
 <212> DNA
 <213> Homo sapien

<400> 1800						
tacggctgcg	agaagacgac	agaagggggc	tggatgaatc	tgatgcggaa	atggagccca	60
gagctaagga	agaagagcgc	ctaaataaac	tccgactgga	aagcgaaggc	tctcctgaaa	120
ctcttacaaa	cttaaggaaa	ggatacctgt	ttatgtataa	tcttgtgcaa	ttcttgggat	180
tctcctggat	ctttgtcaac	ctgactgtgt	gattctgtat	cttgggaaaa	gagtcctttt	240
atgacacatt	ccatactgtg	gctgacatga	tgtatttctg	ccagatgctg	gcagttgtgg	300
aaactatcaa	tgcagcaatt	ggagtcacta	cgtcaccggt	gctgccttct	t	351

<210> 1801
 <211> 387
 <212> DNA

<220>

<222> (1) ... (387)

<223> n = A,T,C or G

<400> 1801

ggcacgagga	ggccttccct	ggccgagctg	agatggagag	tcacaagcgg	gccacgctg	60
ggcctggtgc	cttcaagtgc	cccgaactgc	ccttcagtgc	cgccagtgg	cccgaggtcc	120
ggcgcacat	ggcacagcac	tcaagcctac	ggccccacca	gtgtagccag	tgcagctttg	180
cctccaagaa	caagaaggac	ctgcgctcggc	acatgctgac	tcacacaaaag	gagaagcctt	240
ttgcatgcc	cctctgcggg	cagcgtttca	accgtaacgg	gcacctcaag	ttccacatgc	300
agcggctgca	cagtcctgat	gggaggaagt	caggaacccc	tacagcccgg	gcccctaccc	360
agacccaac	ccagaccatc	atcctqn				387

<210> 1802

<211> 431

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (431)$

<223> n = A, T, C or G

<400> 1802

gacggtattg	agcttcnnng	agtatcccat	cgancccaat	tgggcacgag	ctgccccgag	60
tccggaaaga	tttcttcctt	gatgacgtgt	tcccagacac	cgctgtgatc	ggggagcctg	120
tgtcfaatgc	cgaggcctgg	ctgcaaggct	ctaattggga	gccctggctt	ctcagcctgc	180
agcctactga	catgagccca	gtgagccaag	ccccccgaga	ggcttttgct	cgtcggggccc	240
catcctcagc	gcagtacctg	gaagaaaagt	ctgaccacct	tttgaccgag	gagctgctga	300
atgccatggt	ggcaaaaactg	gggaaccgtg	aggaccacct	ccccacgac	tcctttgaag	360
gcgtggacga	ggacgagtgg	gccaagtacc	tggcccagat	cattgtgatg	ggcgtgcagg	420
tgggtggacat	g					431

<210> 1803

<211> 368

<212> DNA

<213> Homo sapien

<400> 1803

tacggctgcg	agaagacgac	agaagggctg	atgttgatct	aaatctcaaa	ggacccaaaa	60
tcaaggggga	tgtggatgtg	tctgtgcttg	aggtagaagg	taaacttgaa	gtaccagata	120
tgaacatcag	gggccccaaa	gttgatgtaa	atgccccga	tgtccaagct	ccagactggc	180
acctgaagat	gcccaagatg	aaaatgccca	agttcagcat	gcctggcttc	aaagcagagg	240
gccctgaagt	agacgtcaac	ttgcctaagg	ctgacgttgt	catctcagga	cccaagggtg	300
acattgaagg	ccctgatggt	aatattgaag	gaccagaggg	aaagttgaaa	gggcctaagt	360
taaagatg						368

<210> 1804

<211> 363
 <212> DNA
 <213> Homo sapien

<400> 1804
 tacggctgcg ataagactac agaaggggaa aatttataag accttgaaat aatcattcaa 60
 ctgaagaaaa ggaaaaaata caggaaaact aaagttccag ttgtaaagga accagaacct 120
 gaaatcatta cggaacctgt ggatgtgcct acgtttctga aggctgctct ggagaataaa 180
 ctgccagtag tagaaaaatt cttgtcagac aagaacaatc cagatgtttg tgatgagtat 240
 aaacggacag ctcttcatag agcatgcttg gaaggacatt tggcaattgt ggagaagtta 300
 atggaagctg gagcccagat cgaattccgt gatatgcttg aatccacagc cattcactgg 360
 gcg 363

<210> 1805
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 1805
 cgttgctgtc gctcagatct gatggacttt tacatgttcc caccaccgtc ttcaccccgc 60
 gggagtatgg ctgtgtgggg ctggccgagg aggaggcagt ggctcgccac gggcaggagc 120
 atgttgaggt ctatcacgcc cattataaac cactggagtt caccgtggct ggacgagatg 180
 catcccaagg ttatgtaaag atggtgtgcc tgagggagcc cccacagctg gggctggggc 240
 tgcatttact tggccccaac gcaggcgaag ttactcaagg atttgctctg gggatcaagt 300
 gtggggcttc ctatgcgcag gtgatgcgga ccgtgggtat ccatcccaca tgctctgagg 360
 aggtagtcaa gctgcgcac tccatcg 387

<210> 1806
 <211> 376
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(376)
 <223> n = A,T,C or G

<400> 1806
 attcgaattc ggcacgaggg caccttcaat gtgtctcgtg tgctctatga gaagttcttc 60
 cgggaccacg gaggggtgat cgtgaacatc actgccaccc tggggaaccg ggggcaggcg 120
 ctccaggtgc atgcaggctc cgccaaggcc gctgtggacg cgatgacgcg gcacttggct 180
 gtggagtggg gtccccaaaa catccgcgtc aacagcctcg cccctggccc catcagtggc 240
 acagaggggg tccggcgact gggtgccct caggccagcc tgagcaccaa ggtcactgcc 300
 agcccgtgc agaggctggg gaaacaagac cgagatcgcc cacagcgtgc tctacctggc 360
 cagccctctg gcttcn 376

<210> 1807
 <211> 382
 <212> DNA
 <213> Homo sapien

cggccctccc	ccaacctcgt	tgcgccttg	cagtttgatc	tcagactgct	gtgctagcaa	60
tcagcgagat	tccgtgggcg	taggaccttc	tgagccagga	actgaagtta	aaagatgaag	120
aatgtgagag	gctttcaaaa	gtgcgagatc	aacttgga	ggaattggaa	gaactcacag	180
ctagtctatt	tgaggaagct	cataaaatgg	tgagagaagc	aaatatcaag	caggcaacag	240
cagaaaaaca	gctaaaagaa	gcacaaggaa	aaattgatgt	acttcaagct	gaagtagctg	300
cattgaagac	acttgtattg	gccagttctc	caacatcacc	tacgcaggag	cctttgccag	360
gtggaaagac	accttttaaa	aa				382

<213> Homo sapien

tacggctgcg	agaagacgac	agaaggggga	ggcggagctc	tctgaagtta	aaatacagac	60
ccatattgtg	caacaggaaa	accaccttct	caaagatgaa	ctggagaaaa	tgaaacagct	120
gcacagatgt	cccgatctct	ctgacttcca	gcaaaaaatc	tctagtgttc	taagctacaa	180
cgaaaaactg	ctgaaagaaa	aggaagctct	gagtgaggaa	ttaaatagct	gtgtcgataa	240
gttggcaaaa	tcaagtcttt	tagagcatag	aattgcgacg	atgaagcagg	aacagaaatc	300
ctgggaacat	cagagtgcga	gcttaaagtc	acagctggtg	gcttctcagg	aaaaggtt	358

<213> Homo sapien

cgttgctgtc	ggacattttc	tacattgaaa	acccaaaagga	atatgaaaat	aaaaaagctg	60
ctaggaagag	gagaacacaa	gtgttgggga	aaaagatgaa	acaagctatt	aaaagtctaa	120
atthtcaaga	agatgatgat	acatcacgag	aaacttttgc	aagtgcacgc	aatgaggcct	180
tggcctctct	tgatgagtca	caggaaggac	atgcagaagc	caagttggag	gcagaggaag	240
ccattgaagt	tgatcattct	catgatttgg	acatctttta	agtacatttt	caacagtttg	300
aggactaagc	ctttctaaaa	taacattgta	ataaaccatt	tttactgaga	ttgcaacgtt	360
ttgcactgat	aaacatgag					379

<213> Homo sapien

<223> n = A, T, C or G

ggcagcagga	tggacatcga	taccagcggc	accttcaatg	tgtctcgtgt	gctctatgag	60
aagtctcttc	gggaccacgg	aggggtgatc	gtgaacatca	ctgccaccct	ggggaaccgg	120
gggcaggcgc	tccaggtgca	tgcaggctcc	gccaaaggccg	ctgtggacgc	gatgacgcgg	180
cacttggctg	tggagtgggg	tccccaaaac	atccgcgtca	acagcctcgc	ccctggcccc	240

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atcagtggca cagaggggct ccggcgactg ggtggccctc aggccagcct gagcaccaag    300
gtcactgcca gcccgtgca gaggctgggg aacaagaccg agatcgcca cagcgtgctc    360
tacctggcca gccctctggc ttcctacgtg acggnggccg tgctg                    405

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<210> 1811
<211> 380
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

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<400> 1811
catcgattcg aattcggcac gagcggcgct gtggctttca gcttggatca tgattctgga    60
aggaggtggt gtaatgaatc tcaaccccg gcaacaacctc cttcaccagc cgccagcctg    120
gacagacagc tactccacgt gcaatgtttc cagtgggttt tttggaggcc agtggcatga    180
aattcatcct cagtactgga ccaagtacca ggtgtgggag tggctccagc acctcctgga    240
caccaaccag ctggatgcca cattgatccc ttccaagag gtcgacatca acggggagca    300
cctctgcagc atgagtttgc agagtcaccc cggcggcagg acgggggngc aagctcctct    360
acagcacctt gcagatcttg                    380

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<210> 1812
<211> 396
<212> DNA
<213> Homo sapien

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<400> 1812
cggcacgagc acacgccgca cctccgtggg ctgcttcggc tctcatctt gagcggtgca    60
aacctgagtg actcctactt caccaaccgc caggaccgct acgtgttctt gcaggactgt    120
gcgagattg ccgacttctt cacggagctg gtggacgcgg tgggggatgt gtccttgcag    180
ctgcaggggg acgacacggt gcaggtggtg gatgggatgg tgcattctta caaaggggac    240
cgggccgagt actgcaaggc agccaataag agggcatgga tgtgatcaac tcagccagga    300
cccgccagca gatgctgcat gccagactt tcacaggcac tctttttgac ccaggagatg    360
cagcagcttg tggggatcgc agacagcccc tgacac                    396

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<210> 1813
<211> 400
<212> DNA
<213> Homo sapien

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<400> 1813
ggcacgagcc aagatggaag gaactgtgag cttcttggtc tttcgccagg aagacgcctt    60
ccacccaagg gaactgaaag cagaagatga ggatattgtt cttacacctg atggcaccag    120
ggaattttctg acatttgaag tcccacttag tgattcagcc gactgctctt tgagtccaga    180
tgttgatcca gttcttgctt ttcaacgaga aggatttggc cgtcagagta tgtcagaaaa    240
acgcacaaaag caattttcag atgccagtca attggatttc gttaaaacac gaaaatcaaa    300
aagcatggat ttaggtatag ctgacgagac taaactcaat acagtggatg accagaaagc    360
aggttctccc agcagagatg tgggtccttc cctgggtctg                    400

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<400> 1814

<400> 1815

<400> 1816

tancgctgcg	agaagacgac	agaaggggtgc	gcttggaaga	ggaggtggaa	gcttgtaaag	60
cccgttcca	gcacctgatg	aagtccatgg	agaatgagga	caaagaggag	actgtggcca	120
agatgtacat	ttcagagttg	aagaacatcc	ggctacgcct	ggaggagtat	gaacagaggg	180
tggcaaaacg	aattcagttc	ctagccagct	ctaggactga	cagagatgcc	tggcaggaca	240
atgcattaag	gattgcagag	caagagcaca	cccaggagga	tttacagcaa	ttgaggtcag	300
acttggatgc	agttttctatg	aaatgtgaca	gctttctcca	tcagtctcn		349

<223> n = A,T,C or G

<400> 1820

```
ggcacgagag gacaaagaga ggccggatca aaccaacccc tccgccaaact ggctgcacgc      60
tcgctcttcc cggaaaaagc gctgtcccta caccaaatac cagacgctgg agctagagaa      120
ggagtttctc ttcaatatgt acctcaccaa ggaccgtagg cacgaagtgg ccagactcct      180
caatctgagt gagagacaag tcaaaatctg gtttcagaac cggcggatga aaatgaagaa      240
aatgaataag gagcagggca aagagtaaag attaaagatt acccccagtc ctccctagct      300
cttccccatc tcactcttag ttatgtgacg actgcaaagc cagtgtctgtc tgggatgtat      360
tcaagtgaat ggggaaggga gtctctcttc caagtccttt an                          402
```

<210> 1821

<211> 398

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (398)

<223> n = A,T,C or G

<400> 1821

```
ggcacgagag gacaaagaga ggccggatca aaccaacccc tccgccaaact ggctgcacgc      60
tcgctcttcc cggaaaaagc gctgtcccta caccaaatac cagacgctgg agctagagaa      120
ggagtttctc ttcaatatgt acctcaccag ggaccgtagg cacgaagtgg ccagactcct      180
caatctgagt gagagacaag tcaaaatctg gtttcagaac cggcggatga aaatgaagaa      240
aatgaataag gagcagggca aagagtaaag attaaagatt acccccagtc ctccctagct      300
cttccccatc tcactcttag ttatgtgacg actgcaaagc cagtgtctgtc tgggatgtat      360
tcaagtgaat ggggaaggga gtctctcttc caagtcctn                             398
```

<210> 1822

<211> 367

<212> DNA

<213> Homo sapien

<400> 1822

```
cgttgctgtc ggtccagaaa gtagaatgct gtgcacgct ggagtttcag ctcatgtcat      60
tatttataga ttcagcaagc aggaagtaat cacagaagtc attccgatgc ttgaagtctg      120
attattatat gagataaatg atgtggaaac tccggagggg gagcagccac cacctttgcc      180
aacaccctg ggaggggtcca accctcagcc catccctcct cagtctcatc catctaccag      240
tagcagttca tctgatgggc ttcgtgataa tgtaccttgt ttaaaagtta aaaactcacc      300
acttaaacag tctccaggtt atcaaacaga actagttatt cagttgggtt ggggtgggtg      360
agaacca                                           367
```

<210> 1823

<211> 370

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<223> n = A, T, C or G

tacggctgcg	agaagataca	naagnagacc	ttcttcgtgc	tcagggcctg	ggagatatta	60
ttgatacatc	catgggggcc	ctcacttcac	ccccatcttc	ctgctcactc	agtagtcagg	120
tgggcttgac	gtctgtgacc	agtattcaag	agaggatcat	gtctacacct	ggaggagagg	180
aagctattga	acgtttaaag	gaatcagaga	agatcattgc	tgagttgaat	gaaacttggg	240
aagagaagct	tcgtaaaaca	gaggccatca	gaatggagag	agaggctttg	ttggctgaga	300
tgggagttgc	cattcgggaa	gatggaggaa	ccctaggggt	tttctcacct	aaaaagacct	360
cacatcttgt						370

<211> 447

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$

<221> misc feature

$\langle 222 \rangle$ (1) ... (447)

<223> n = A, T, C or G

tacggctgcg	agaagacgac	agaaggggtt	attttgcaag	cgggaggggc	cgtgcgcgct	60
cctgcctcag	gcctctgtcc	cccaccccct	ttccccggtc	ccaggtctct	cttcggaaag	120
atgtcggaca	cggcagtagc	tgatacccg	cgctttaact	cgaagccgca	ggacctgacc	180
gacgcttacg	ggcccgccaag	taactttcctg	gagatcgaca	tctttaatcc	tcaaacggtg	240
ggcgtgggac	gcgcgcgcct	caccacctat	gaggttcgca	tgcggaacaaa	cctacctatc	300
tccaagctaa	aggagtccctg	cgtacggcgg	cgctacagt	actntgagt	gccgaanaat	360
gagctggaga	gagatagcaa	gattgtagac	caccactggc	tgggaaagcc	nntgagcggg	420
cagctccttt	tcgaaggagat	qaaaqqa				447

<210> 1825

<211> 389

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$

<221> misc feature

<222> (1) ... (389)

<223> n = A,T,C or G

<400> 1825

ggcacgaggt	tcgttgggcg	gcgctggttt	ttcgctcgtc	gactgcggct	cttcctcggg	60
Cagcggaaagc	ggcgcgggcg	tcggagaagt	ggcctaaaac	ttcggcgttg	ggtgaaagaa	120
aatggcccg	accaagcaga	ctgctcgta	gtctcccggt	gggaaagccc	cccgcaaac	180
gctggccacg	aaagccgcga	ggaaatgcgc	tccctctacc	ggcggggtga	agaagcctca	240
tcgctacatg	cccgggaccg	tggcgctttg	agagattcgt	cgttatcaga	agtcgaccga	300
gctgctcatc	cggaaagctgc	ccttcagag	gtagtgagg	gagatcgcg	aggatttcaa	360
aaccgacctg	aqgtttcaqa	qcqcaqccn				389

<210> 1826
 <211> 361
 <212> DNA
 <213> Homo sapien

<400> 1826
 tacggctgcg agaagacgac agaaggggtgc gcttgggaaga ggaggtggaa gcttgtaaag 60
 cccgcttcca gcacctgatg aagtccatgg agaatgagga caaagaggag actgtggcca 120
 agatgtacat ttcagagttg aagaacatcc ggctacgcct ggaggagtat gaacagaggg 180
 tggcacaacg aattcagtct ctagccagct ctaggactga cagagatgcc tggcaggaca 240
 atgcattaag gattgcagag caagagcaca cccaggagga tttacagcaa ttgaggtcag 300
 acttggatgc agtttctatg aaatgtgaca gctttctcca tcagtctcca tctagttcaa 360
 g 361

<210> 1827
 <211> 385
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 1827
 tacggctgcg agaagacgac agaaggggga ccttcttctg gctcagggcc tgggagatat 60
 tattgataca tccatgggggt ccctcacttc atccccatct tctgtctcac tcagtagtca 120
 ggtgggcttg acgtctgtga ccagtattca agagaggatc atgtctacac ctggaggaga 180
 ggaagctatt gaacgtttaa aggaatcaga gaagatcatt gctgagttga atgaaacttg 240
 ggaagagaag cttcgtaaaa cagaggccat cagaatggag agagaggett tgttggctga 300
 gatgggagtt gccacttcgg aagatggagg aaccctaggg gttttctcac ctaaaaagac 360
 cccacatctt ggtaacctca atgan 385

<210> 1828
 <211> 420
 <212> DNA
 <213> Homo sapien

<400> 1828
 ggcacgaggg aggggctgga cgttccacgc caaaggcctc tggctgtacc tggcagggag 60
 cagcctgccc tgtctcacgc tgattggctc tctaattttt gggtagaggt cagttcaccg 120
 ggacctggag gccagattg cgatcgtgac ggagaaccag gccctgcagc agcagcttca 180
 ccaggagcaa gagcagctct acctgaggtc aggtgtggtg tctcttgcca ccttcgagca 240
 240gccgagtcgc caggtgaagc tgtgggtgaa gatggtgact cactgatca agaacttctt 300
 ctgaggacag acaggaatgg ccttgatgaa gatgacaggc atggccgggg tcagctcttt 360
 cagccgcgct tcagcgatga ctccagtctg ggtgtcccag cgagcccctg cagggacagt 420

<210> 1829
 <211> 436
 <212> DNA
 <213> Homo sapien

ggctgaagaa agaagattaa atgctgaaac atttggaaac ccacttcgtc caaaccgtgg 360
ccgtggggga tacagaggca gaggaggtcn 390

<210> 1832
<211> 432
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(432)
<223> n = A,T,C or G

<400> 1832
cacgagaagc gtcagtgtaa agttcttttt gagtacattc cacaaaatga ggatgaactg 60
gagctgaaag tgggagatat tattgatatt aatgaagagg tagaagaagg ctggtggagt 120
ggaaccctga ataacaagtt gggactgttt cccctcaaatt ttgtgaaaga attagaggta 180
acagatgatg gtgaaactca tgaagcccag gacgattcag aaactgtttt ggctgggcct 240
acttcaccta taccttctct gggaaatgtg agtgaaactg catctggatc agttacacag 300
ccaaagaaaa ttcgaggaat tggattttga gacattttta aagaaggctc tgtgaaactt 360
tcgacaagaa catccagtnn gtgaacagaa gaagaaaacc agaaaagcct taatctacag 420
cactgggacc an 432

<210> 1833
<211> 386
<212> DNA
<213> Homo sapien

<400> 1833
tacggctgcg agaagacgac agaaggggag agttacagtc agcctgcatg gcatcatcgt 60
ggacctccac agcgggattg gaaatgggaa aaagatggct ttaataatac taggaaaaac 120
agctttccac attctttgag gaatggtggt ggaccaagag gacgttccgg gtggcataag 180
ggtgttgacg gaggtcctc gacttggttt cacaaccata gtaattctgg aggtggttgg 240
ctttcaaata gtggagcagt agattggaat cataatggta caggaaggaa ttccagttgg 300
ctttctgaag gaacaggtgg cttttccagt tggcatatga acaacagtaa cggaaaactgg 360
aaatccagtg tacgtagtac aaataa 386

<210> 1834
<211> 380
<212> DNA
<213> Homo sapien

<400> 1834
ggcacgagcc tgtttctgcg tgcagctccg ccatggctcc taaaggcagc tccaaacagc 60
agtctgagga ggacctgctc ctgcaggatt tcagccgcaa tctctcggcc aagtcctccg 120
cgctcttctt cggaaacgcg ttcacatcgtg ctgccatccc catctgggta tactggcgaa 180
tatggcatat ggatcttatt cagtctgctg ttttgtatag tgtgatgacc ctagttagca 240
catatttggt agcctttgca tacaagaatg tgaaatttgt tctcaagcac aaagtagcac 300
agaagaggga ggatgctgtt tccaaagaag tgactcgaaa actttctgaa gctgataata 360
gaaagatgtc tcggaaggag 380

<210> 1835
 <211> 412
 <212> DNA
 <213> Homo sapien

<400> 1835
 ggcacgagaa gcgtcagtgt aaagttcttt ttgagtacat tccacaaaat gaggatgaac 60
 tggagctgaa agtgggagat attattgata ttaatgaaga ggtagaagaa ggctgggtgga 120
 gtggaacctt gaataacaag ttgggactgt tccctcaaa ttttgtagaa gaattagagg 180
 taacagatga tggtgaaact catgaagccc aggacgattc agaaactgtt ttggctgggc 240
 ctacttcacc tataccttct ctgggaaatg tgagtgaaac tgcattctgga tcagttacac 300
 agccaaagaa aattcgagga attggatttg gagacatttt taaagaaggc tctgtgaaac 360
 ttcggacaag aacatccagt agtgaaacag aagagaaaaa accagaaaag cc 412

<210> 1836
 <211> 406
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

<400> 1836
 gcacgagaac ctctagggcg gcttggggct tcagttattg gaatcgaccc tgtggatgag 60
 aacattaaaa cagcacaatg ccataaatca tttgatccag tcttgataa gagaatagag 120
 tacagagtgt gttccctgga agagattgtg gaagagactg cagaaacatt tgatgctgtt 180
 gtagcttctg aagttgtaga acatgtgatt gatctagaaa catttttaca gtgctgctgt 240
 caagtgttaa aaccgggtgg ttctttattc attactacaa tcaacaaaac acaactttcc 300
 tatgccttgg gaattgggtt ttcagagcaa attgcaggta ttgtaccaa aggtactcat 360
 acatgggaga agtttgttca cctggaacac tagagagcat tctggn 406

<210> 1837
 <211> 399
 <212> DNA
 <213> Homo sapien

<400> 1837
 ggcacgagca caaacacgcc ctgctatgcc ctcttagaag ttacctacaa gggcactcag 60
 tggatatgaac aaaccaaaga agaattgatg gtcctaccc ttcttccaga actccatctt 120
 ttaaagcaga ttaaagtaaa aggcccaaga tactgggaac tgctcataga ttttaagcaaa 180
 ggaacacaac acttgaagtc catcctttcc aaggatgggg ttttatatgt taaactccgg 240
 gcgggctcagc tctcctacaa agaagatcca atgggatggc aaagtttgtt ggctcagact 300
 gttgtctaaca ggaactctga agcccgggct ttcaagccag aaacaatctc agcattcact 360
 tctgatccag cacttctgtc atttgctgaa tatttctggt 399

<210> 1838
 <211> 399
 <212> DNA
 <213> Homo sapien

tacggctgcg	agaagacgac	agaaggggca	tattttttct	ttagaacaac	tagaatatag	60
ccgggaagca	ttagtqtggg	aagatatatga	ctggatagac	aatggagaat	gcctggactt	120

```

gattgagaag aaacttggcc tcctagccct tatcaatgaa gaaagccatt ttcctcaagc 180
cacagacagc accttatttg agaagctaca cagtcagcat gcgaataacc acttttatgt 240
gaagcccaga gttgcagtta acaatttttg agtgaagcac tatgctggag aggtgcaata 300
tgatgtccga ggtatcttgg agaagaacag agatacattt cgagatgacc ttctcaattt 360
gctagagaaa gccgatttga ctn 383

```

```

<210> 1842
<211> 395
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

```

```

<400> 1842
cgatgctgtc gggattgtat tcgggctggc cagcatggac gagctctcat ggaagcatgc 60
aatgaattct acaccaggat tccgcatgac tttggactcc gtactcctcc actaatccgg 120
acacagaagg aactgtcaga aaaaatacaa ttactagagg ctttgggaga cattgaaatt 180
gctattaagc tggtgaaaac agagctacaa agcccagaac acccattgga ccaacactat 240
agaaacctac attgtgcctt gcgccccctt gaccatgaaa gttatgagtt caaagtgatt 300
tcccagtacc tacaatctac ccatgctccc acacacagcg actataccat gaccttgctg 360
gatttgtttg aagtggagaa ggatggtgag aaaaan 395

```

```

<210> 1843
<211> 380
<212> DNA
<213> Homo sapien

```

```

<400> 1843
cgttgctgtc gctcagatct gatggactac gacaatgttc ccacgaccgt cttcaccocg 60
ctggagtatg gctgtgtggg gctgtccgag gaggaggcag tggctcgcca cgggcaggag 120
catgttgagg tctatcacgc ccattataaa cacttggagt tcacgggtggc tggacgagat 180
gcatcccagt gttatgtaaa gatggtgtgc ctgagggagc cccacacagct ggtgctgggc 240
ctgcatttcc ttggcccca cgcaggcgaa gttactcaag gatttgctct ggggatcaag 300
tgtggggcct cctatgcgca ggtgatgcgg accgtgggta tccatcccac atgctctgag 360
gaggtagtca agctgcgcat 380

```

```

<210> 1844
<211> 372
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

```

```

<400> 1844
tacggctgcg agaagacgac agannnggca tattttttct ttagaacaac tagaatatag 60

```


cccatcgatt	cgaattcggc	acgaggccgc	gatggcgctg	ttggccggcg	ggctctccag	60
agggctgggc	tcccaccggg	cgcgcgagg	cgggacgcg	gtcgtcttcg	tgtggcttct	120
gcttagcacc	tggtagacag	ctcctgccag	ggccatccag	gtgaccgtgt	ccaaccctta	180
ccacgtggtg	atcctcttcc	agcctgtgac	cctgcctgt	acctaccaga	tgacctcgac	240

```

ccccacgcaa cccatcgtea tctggaagta caagtctttc tgccgggacc gcatcgccga 300
tgctttctcc ccggccagcg tcgacaacca gctcaatgcc cagctggcag ccggaaccc 360
aggctacaac ccctacgtcg agtgccagga cagcgtgcgc accgtcaggg tcgtggccac 420
caagcagggc aacgctgtga ccctgggaga ttactaccag ggccggagga ttaccatcac 480
cggaaatgct gacctgacct ttgaccagac ggcgtggggg gacagnggtg tgtattactg 540
cttcgtggtc taagccaaga ccttccggga acattgaggg taaccaaac taatctcttt 600
gaaggacctt aggggtggtt actctaactt gttttagggg ggcccaaaag actgctctcg 660
nggttgggat gctgctgctt ctcattttct tctgn 695

```

<210> 1848

<211> 412

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(412)

<223> n = A,T,C or G

<400> 1848

```

ggcacgaggg gtctccctgt gttgccagc ctggtctgta atgcctaggg tcaagggatc 60
ctctgccttg gcttcttaac ctgctgggat tacaagcatg agacaccatt cctggcctag 120
aagcctatct ttaaagaaac tacaatctcc catggggact gtttccctgc ctcttttgtg 180
cagtcctcat gaacttgctt acagcaagag gcctaagatt gaatcttttt ggggaaaagt 240
cattcttaga tgaaaatcct atgttaaggc cgggcgcagt ggctcacgcc tgtaatccca 300
gtactttggg aagccgaggg aggtggatca cctgaggtga ggagtttgag accagcctgg 360
ccaacatggt gaaaccccgct cttactaaa gctacaaaaa ttagctgggc an 412

```

<210> 1849

<211> 390

<212> DNA

<213> Homo sapien

<400> 1849

```

cgttgctgtc ggcaattctc ctgcctcagc ctcccagata gctgggacga caggcacacg 60
ccagtatgcc cagctaattt ttgtatctt tagtagagat ggagctttgc cagggttgctc 120
agacaattca cctacctcgg cctcccaaag tgctggggtt ataggcatga gccacctcat 180
ccagccataa gttgttaggt ttaaagtctt aaataatgtg gagtttaaga gtactatatt 240
aattagagtt tatgaatact acagtaatac aagccttcac tcctgtaatg tttttgtgtc 300
ttctcaagtg tgacttttgt aagccttcaa gacattgaag ttttaattga aatagggttg 360
atatacttag gcttttcacc caatccctta 390

```

<210> 1850

<211> 395

<212> DNA

<213> Homo sapien

<400> 1850

```

ggcacgagga gagagagaga gagagagagt gaggtagagt gtgagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 180

```

```

gattttctctc tgtctcccg cgcctctctc tctctctata tataaacctt ctctctctct 240
tccagccccc cccggggggg gcgctcgccc cccccacct ctcttttttt tttgaatgtc 300
tgggttgccc cctgtttctc tctgtggcgc cccccccct caggggtgcg cgcgcacaca 360
cctctctctt tttcttgcc tctctctctg tgttg 395

```

```

<210> 1851
<211> 395
<212> DNA
<213> Homo sapien

```

```

<400> 1851
cgctgctgtc gagagccctt cctccctttc cacatggtaa gcaactgagcc caatttcttc 60
tcacccacac gatggccctt cagagcagag atgtctaata aaagggttcag agtcagatca 120
ctaactttcc atcttccact ttttccagtgt gtggccatgt tcccccggtt gccttcacaa 180
aaaccttggtg aataatacaa gccatatgga ctctgattta cagtttagaa gatgagcaga 240
gggtgggtgtg agttgcccag tcatgttgct agttgttgaa gaaactacga ttgttctcag 300
gtcttgggct cctggcccat agaccagtgg ctctgtgttc tgatggggta ttggggagga 360
tttttacaaa tgcacggtcc tgagattgtt cctgg 395

```

```

<210> 1852
<211> 405
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

```

```

<400> 1852
cgttgctgtc ggggggntat tttgtgatgc tgctgtctct aaccaccaag tatgtgctgc 60
ttaaaaagaa atgtaagggg ctgcctttag caaatgtgcg tagtagtcta cttaatectc 120
atgttaaaaa tcgaaaaatg ggccaggcgc agtggctcat gcctgtaata gtagcacttt 180
gagaggccaa ggtgggtgga tcacctgagg tcaggggttc gataccagcc tggccaacat 240
ggtgaaacct cgtctctact acaaatacaa aaattagctg ggtgtggtgc cacatgcctg 300
taattccagc tacttgggag gctgaggcat ggagaatcgc ttgaacccag gaggcagaag 360
ttgcagttag cagagatcac accactgcac tccagcctgg gcaan 405

```

```

<210> 1853
<211> 406
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

```

```

<400> 1853
ggcacgaggg agcaaaggct ttttggagtt tgaggctgca tctgctggag caaagggaaa 60
ccgtgggctt ttccggccaa atactcttga gctctgtgac cctgctcctg tcacccaat 120

```

```

ttctccaagc cagaggggagc tttctcagag ccccttggtg gatctgtcct acacctgctg 180
ctgacgagag cggacttcca gctctaacag accagtgtct ctacctcat atgcaagtcc 240
tggctaggaa gagtgagtgc tgcctatctt atgaccgcc tgcctattgg ntgactgcat 300
tctaggatga gtttctttag agggagctcg aattcctcct ggtattatcc ccctgcccc 360
ttagccaggc gtatattcga tgtccccacg ttatgtcttt acacac 406

```

```

<210> 1854
<211> 408
<212> DNA
<213> Homo sapien

```

```

<400> 1854
cgttgctgtc ggattctcat aaggagcatg caacctagat ctcttgacac tgcggatcac 60
agcaggattc gagctccttt gagaatctaa tgccatggtc gatctaacag gaaactgagc 120
tcaggcagga atgcttggca ccgcccccca ccgcccccca ccttctatgc agcccggtcg 180
tggcctgggg actggggacc cctgctctag tcagtaataa ggtacttatg ccagaatata 240
aatcaacaca ttgcttcctt tatcaaagaa gtcttggtat ttaaaaaaag tcaactgagc 300
cagtatgatt agtgatgtaa ttgattttca ttctggcaca agcctctttc attctggaca 360
gtcacaaat agttaatgga ccatgctttg aatagccttc ctctaaac 408

```

```

<210> 1855
<211> 396
<212> DNA
<213> Homo sapien

```

```

<400> 1855
ggcacgaggc catattggcc aggctggtct cgaactcctg acctcaagtg atccaccac 60
ctcggcctcc cagagtgtct ggattacagg catgagccac cgcacctggc cagatctttg 120
tatgtcttaa gtgtttcaaa gttataagca ttttcttggg gggatgtcca ttttgagggg 180
atccattttg atcctttgta ctctataatg tgaactttcc cctgttccaa cacttaaaag 240
agaattatta gcacataatc taaaagatgg aatttttttt ttcttgagac agagtctcgc 300
tctgtcgcca ggctggagtg cagtggcgcg atcttggtc actgcaacct ctgcctcctg 360
ggtttaagcg attctcctgc ctcagcctct ggagta 396

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<210> 1856
<211> 402
<212> DNA
<213> Homo sapien

```

```

<400> 1856
ggcacgagac aataatgttc tgaatccttc ctgttcatgc tgctttctta attcatttct 60
ccatgtcatc aagaggttgg ataacttatt tctaagctca aggttaaaaa tcatgtcacc 120
tttttttttt ttccccccac cccaacccta aaaaaattgg caatggggaa agaaccagga 180
ccctaagggg ggggcgaaaa aaagccaccc caacccttgg gcctttcaaa aaaccccggt 240
ttccattttt ttatctctta acccctcccc caaacttaac aaaagggggg ggggcctgga 300
tggcaaaaaa aaaccgtgaa aaaaagccta aggcgcggaa accggaccat taatggccgg 360
gttaaaccta accggggccc ttttaagttg gtttaaacag cg 402

```

```

<210> 1857
<211> 394
<212> DNA

```

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(394)

<223> n = A,T,C or G

<400> 1857

tgattttcga	ggcaaatggg	taatcctcat	cctgtttcta	atgtccaggg	tgctgtcagc	60
ctaacttcct	tctatagtga	gatagatatg	ttcagagcct	tcaagctggg	gtggacactg	120
acccgctgaa	ccagtcctgc	agagttagga	acaccagcaa	ttttttttga	gacagtttcg	180
atctgttgcc	aagcgggagc	gcattggccc	aatctcgctt	cactgcaagc	tctgcctccc	240
gggttcgagt	agtttgcttg	cctcagcctc	ccgagtagct	gggactacag	gtgcctgcca	300
ccatgcctgg	ctaatttttg	tatgtttaag	aaagacaggg	tttcaccatg	ttggccagga	360
tggcctcaaa	cttctgatct	caagtgatcc	accn			394

<210> 1858

<211> 402

<212> DNA

<213> Homo sapien

<400> 1858

ggcacgaggg	aagattaatt	tatccttggt	cagccctgag	atcaggaagg	aggacaggcc	60
aggagatggt	tctactccag	gcaccactaa	ggactctatt	tcaaaggcag	atcctgctcc	120
ttagtctttt	tagatctgaa	tctaactctg	aatccacaaa	attatcctat	gaattctggt	180
ttatcaacgc	acatgattcc	tggcaccatt	gcatagcttc	aaggtaaaag	agagccttgt	240
ttccattatt	ttgctatggt	ggcttttggg	aagacagaga	gcattctttt	gaaagcggga	300
aacttaagga	aaagttggcc	aagtacacag	gaaagttcta	ccacacctta	atatagagaa	360
caaaatagat	gcttctcatt	tggggaaagt	agctaagagg	ac		402

<210> 1859

<211> 159

<212> DNA

<213> Homo sapien

<400> 1859

gacacatcaa	ttgtcaataa	atcaaggcac	actgcactgg	acattgctgt	attttggggg	60
tataagcgta	tagctaattt	actaactact	gctaaagggt	ggaagaagcc	ttgggtccta	120
gcgaatgaag	gggaagaatg	tgacaattat	tttagcaag			159

<210> 1860

<211> 403

<212> DNA

<213> Homo sapien

<400> 1860

cggttgctgtc	gcaaagatct	gaaccagctg	attaccatct	tggtcacttg	agaactcagg	60
tctgtccaat	aaacacccta	atccaagggt	gtgttaaata	catatatata	tattttttact	120
ttacgthttat	ttattttgaa	aaattttcaa	cctatagaaa	aattgaggca	gtaccatagt	180
cttagtccat	tttccattac	ttagaatatc	caaaagttag	taattttata	agaaaattaa	240
tttattttctt	acagctatgg	aggccaagggt	cgaggggaca	tatctggtca	gcgctttgcc	300

```

atgttggtca ggctgggtctc gaactcctga cctcaaggcc tgccttggcc tcccaaagtg 360
ctgggattac aggcataagc caccgtgccc agccacctct gag 403

```

```

<210> 1861
<211> 402
<212> DNA
<213> Homo sapien

```

```

<400> 1861
ggcacgaggg cctttgcaac cactgatggg aggaacagag agcagcattt cagaaccagg 60
ttctccttcg aggaacagag aaaatgaaac cagcagacag aatttgtcag atggaatttc 120
actcttggtg cccaggctgg agtgcaatgt cgcgatcttg gctcactgca acctccacct 180
ccggggttca agcgattctc ctgccccagc ctcccagata gctgggatta caagcacctg 240
ccaccatgcc agagtaattt ttgtattttt agtagagatg ggttttcgcc atgttgggca 300
gactgggtctc aaacccctga cctcagatga ttcacccacc tcggcctccc aaagtgtctg 360
gattacaggc atgagccacc aggcctggcc cattctgtct tc 402

```

```

<210> 1862
<211> 440
<212> DNA
<213> Homo sapien

```

```

<400> 1862
cgttgctgtc ggaacttta ttaagtgaca ttaacctgag ataaaaattt ctattgacta 60
gaaatccag tctatttcag atctccccct ccaatctcct atatgtagaa gtgtgacttt 120
tgcacttgat atttttccct tatgggtggga gttcattttc ctctcagagt aatgtcatct 180
gttttcttaa aggcctttct tagataccga aatttacaaa ccattaaata aattgagagc 240
ctgaaaaagt tgtacttggt acaaagcctc tcaactgacac ctacagaaca gcctcctctg 300
ctattgagtc acttgaccgg gatctgtatc tcctcacaaa gctactatcc aggcctatct 360
tagggctctg ggacctctgc tgagatcact cgtaatatata gtcattgtct atgtgccagc 420
agcagttaaa ttctatccct 440

```

```

<210> 1863
<211> 413
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

```

```

<400> 1863
ggcacgaggt ggcttcgctc ttgaccttta tgctgggtctc ggctgaggtg acacgctagt 60
gacagcccaa taggggggta cccttattga gtaaaatact tcagattgac agctcaatct 120
tagtttgctc ccagttaatc ttttatgctt agggattaaa tgtgtgggtt tttttttgtt 180
tttttttttg gaaacggagt ctgcctttgt caccaggtc ggagtgcagg ggcgcgatct 240
cggttaattg aaacctctgc ctccgggggt caaacgattt tcctgcctca ccctcccaag 300
aagctgggat tataggcccc caccacctg cctggctgat tttttatttt tagaaaagat 360
ggggtttcac cgggtggggc aggctgggtc cgaactcctg acctcgggat can 413

```

<210> 1864
 <211> 408
 <212> DNA
 <213> Homo sapien

```
<400> 1864
cactccttgg ctatctcaat ccatttccct ggatcctgaa tcaataggaa cgtgttacaa      60
tgtttgctca ttcttgccctg cttttaagta ttttgaataa gctaggcaat taaaaaaaaat    120
ttttaagag tgcttcataa gatgaatgga aggttaagtt gctgactaat attcttggat      180
ccagaatatt agtccttcac tttatggtct tgtacatagc ttaagctaac caactctttt      240
ttctcatatg agagtaatat ataaattttg agttatagga ggcatgaata ttttcattac      300
attttccgta agtcctttta gaagagtgtc ttctatttca gacattgttg acctgaaaat      360
ctcttaaaat ctgtctgcca tcctgtggta gtgatggcct cacacagg                      408
```

<210> 1865
 <211> 389
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(389)
 <223> n = A,T,C or G

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<400> 1865
gtttggaggg caaggccggt tgattccttg tgcctaggag ctcaagacca gcctggggcaa      60
tatagcaaga tttcatctct acaaaagaaa gaaaacattg gctgtgcatg gtggctcatt    120
cctatagttc aggctactga ggagcctgat gtaggaggat cacgtgaccc cagtagtttg      180
aggetgcagt gagctatgat cctaacactg ttctccagcc tgggtgacac accatgttga      240
catctcttcg aaaaaggaat ctacagacat cagtgtgtgc acaagcatgg cttgtgaatt      300
tggaagtgtg tatgtgcgta gctgtgctca agaatgtgtt gatgattata ctttctcaga      360
atgaaggtaa ttatTTTTTT ctttttttn                                     389
```

<210> 1866
 <211> 398
 <212> DNA
 <213> Homo sapien

```
<400> 1866
ggcacgaggt ttaaagtttt aaaaaaactt ccaagattat ggataagccg gattttctctc      60
atgcttatga ttagggagtt aggatttaaa gatgcaaagc agaaggactg aaaggaatag      120
ccagtgaata tgtttcagtg ggggaggtgt gaaagctttt ctaatatataa tcgttgctat      180
ggcctgtgac tgcttattct ttatcaatga gaactcacca aactagttct tttcttgatc      240
tgaggaacca cacagctcac atgagaatat actactggga ctagggtgac ttcactccct      300
ttcacctgag gcctatcttg gccttttagc accttgacta tctatgaaaa gactgggtct      360
ttgttttccc atgtataaaa atgatgtgtt ggataatt                                     398
```

<210> 1867
 <211> 410
 <212> DNA
 <213> Homo sapien

<400> 1867

<210> 1868

<211> 387

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (387)$

<223> n = A,T,C or G

<400> 1868

<210> 1869

<211> 405

<212> DNA

<213> Homo sapien

<400> 1869

<210> 1870

<211> 403

<212> DNA

<400>	1870						
cgttgctgtgc	gcctactggt	actttgtatt	taagatgata	gtccagggtgc	tcaggccact		60
ttaaagattg	ctctaaactg	tatggtgaag	ttggccaagg	gcaggcccca	tcttagccag		120
tcagtagttg	agaccttggt	gactcaattg	cacagtgtgc	aagacgctgc	cgggattttg		180
atgtgccatt	gcctggcagc	cattgccatg	caactgccgg	tgctgggtga	tgggatgctt		240
ggtgacctca	tggagctgta	caaggtgatt	ggacgatcag	ccacagacaa	gcaacaagaa		300
cttctggtga	gtttggctac	tgtgattttt	gttgcaagtc	ataaggcatt	gtctgtggaa		360
agttaagcag	taattaagca	gcagcttgaa	agtgtctcca	atg			403

<211> 401

<213> Homo sapien

<400>	1871								
atcggcacga	gattttatat	gaccataatg	tttgtgtgtg	ttttgcacct	tcagcccctt				60
gttattggtc	cgtatattac	ctgtaagcag	atactgtatt	ttatttttagc	ctatttgaca				120
gaacacatca	ctcagaaaaa	gtgaagtttc	agagcaaaca	gtgaagaaat	cagtgtgatt				180
gtagacaaaa	agtcagttta	cagaacggag	cagcggggag	aggaagggaa	aagcttcata				240
gtttgggtgct	tatcacatca	agagattggg	aaatttttga	tgaaagacag	gctaattgggg				300
ctctgaaatg	gaacaactcc	tttaaactgt	cagccttttg	aatttttccct	cacaaccaag				360
aaqttgacct	ctgaqctgtc	aaqtgaccac	tgtgtgcaaa	g					401

<211> 385

<213> Homo sapien

[illegible]

<211> 404

<213> Homo sapien

[illegible]

gattaaaaag aagagctgca gctttgacag tgcttattta aaga

404

<210> 1874

<211> 401

<212> DNA

<213> Homo sapien

<400> 1874

ggcacgagga	ggtacaaaac	ttgggatcaa	atggaatctt	gattcactaa	ccaatttaag	60
agctgacttc	taatttttagg	aactttgggt	tatgaacgct	tccattttat	acctgtgtct	120
agttagtttc	tgcctatcta	tccgagaagc	ttttatcaag	ggtacaccat	gtgccagcca	180
ctgaagtaga	tataaataca	aggatgtgta	aggatggat	gatggatatac	gaactggcat	240
cttactggat	ttgtccgctc	tgtaaagat	actgatccga	aaacttttta	aagccctaga	300
gagggcttta	aggcaatgta	gcacatata	tagaggcatc	aacctgttca	tatctttcta	360
tttaacagaa	ctgtgctcct	gggcacaagg	gtgtgcacaa	a		401

<210> 1875

<211> 397

<212> DNA

<213> Homo sapien

<400> 1875

ttattccggt	gctgtcggct	tcaggatatca	aggtagctt	tgggaaccag	actacagatg	60
agacagctga	aagcaaagag	gctgaggcgg	agcacagacc	aaaaaagagt	ctcaggggag	120
aagaagggaa	gctagtaagc	aacttatagg	gggcagtgtg	agaaatgtca	catgttacat	180
cgctcacaca	gagaagcaga	atztatcaat	tttcaaagg	aaaatgtctc	tgtctactga	240
caaggattta	atttttgctt	tttttttttt	tgaaggggg	gcataattttg	tttcccagg	300
cgggagtaat	gggataaaat	ttggtttatt	tgaagctccc	cctcccgggt	taaaaccatt	360
ttttgggttt	aaacctccaa	gtagctggga	ataacgg			397

<210> 1876

<211> 465

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(465)

<223> n = A,T,C or G

<400> 1876

gggaccgaag	aatcaccgan	nttnnnatag	gatcccagtc	cgttgttgct	gctggagtgc	60
agcggcacta	tctcagttta	ctgcaaccta	cgccttctgg	gtgcacgtga	ggctcttgcc	120
ttagcctctt	tgtagctggg	actacaggca	cgtgccacca	tgccctggcta	atttttgtat	180
tttttaaata	gagacgggg	ttcactgtgt	tggccaggct	ggtctcgaac	acctgacctc	240
aggatgatcca	ttcgtcttgg	cctctcgaag	tgtctggatt	ccaggcgtga	gccactgcgg	300
ccagcacatt	tccactttta	gacccactc	cataccacag	gtttcattta	agaagaaaga	360
gctagataaa	tgtgctcttc	tggttaccoc	accctgacag	agtgcatttt	tacacggcta	420
gcaggggttg	agactgcagc	ctggcctgcc	agccattgga	ggtgg		465

<210> 1877

<211> 388
 <212> DNA
 <213> Homo sapien

<400> 1877
 cgttgctgtc ggtgtaagac aatcagatat ggtgaggcct gtgttaaact gggcatcttg 60
 ttgccatata gaagagatct tctcttctta cggatttatt tctctttttt cgtgctttgt 120
 agcaaacata agacattttt agcacacctc tcttttaata gtactattct tgtgtggcaa 180
 gtactattct tgtgtgacaa gagaactact gagccacaga gtgacgatca aaagctaggc 240
 gtggaataaa ggtgtacaaa ccagctttgt gaccttgtgc aatcactgca cctgcctggc 300
 ctcaactttc tcattgataa cataagaata gcaatgatgc tttctttata gggctgaggt 360
 gacgattaag agttaatata gaacttag 388

<210> 1878
 <211> 429
 <212> DNA
 <213> Homo sapien

<400> 1878
 ggcacgagcg ccggccccag tccccatggg ctgaaggcag gttgagttct tccccaggtc 60
 tgcgagcctc gaaggcttct ttcagacagc agaccctta caagcgcaag gctgctttct 120
 gacaaagaat caagtgttcc tttcaaccag ccaagggact ggtgttctcg ctgaccttt 180
 gacagctcca gccggtcctt ccgttcgagg tccctgactt cctgcaacag actgagatgg 240
 ccttctgagc ttttccaggg ctgacgacca ccttcttgat accttccct ctctcgatct 300
 gaatccgtgc ccaccagatg gggccgtcta gttgcaggaa aacaagctca gggctccac 360
 tgattctaca tgatgggaat ccaggctttc ggagatgagg actgggaggt ctccccacca 420
 cacaagcct 429

<210> 1879
 <211> 433
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 1879
 cgttgctgtc gggagctgct cccaccttcc tgacctaccc ctgctgcacc attccccag 60
 ctgggctgga aggttccata actggccagc tgccccata actggcagca ttcccagacc 120
 cagggtactc taataggggc ggctcaggca ctgagactac cgctcaacc caggggtggtt 180
 ttcaggagtc cgaggtagcc ttcaatcact ggactccatg gccttccctt cgtgttgacc 240
 ggaccttctt tccagggctt ttcctttggg ggaggcggag aggggagaag aaggaagggg 300
 agggcagaag gaaggagggg agaaaagaaa gcaaaggaac agaagggaag aaagaaagat 360
 gggaggaagt gcagcaggaa tagcaccctc tccccgggag gccctagctt ccgtgagggg 420
 ccataccag ccn 433

<210> 1880
 <211> 422
 <212> DNA

<213> Homo sapien

<400> 1880

cctagcggcg	cccgggtggc	tgcagccgct	ggccccgaaa	tgctgctcgg	gcgagcaggg	60
gtcaggcggg	aaaagaggac	tccaaatcca	ttctctgctc	gccccaggg	caatgctgcc	120
aggagaggga	gtgggttccc	ccgcaggcta	ccccaccgat	ggggctgaga	gcttaactcg	180
gggttttatt	tgaattggag	acattgttcc	ctcttcgctc	ctctacccca	taaaattccc	240
tacaaatgca	aaaattccag	atagaagaag	ccgtccctga	aagtaagttc	tgaaggattc	300
ctttcatgcg	gtgaaggaa	aacaacaata	ttcaacttca	ccttggtgtg	tgagggtcga	360
cgtgctttac	aacactatcc	ctgtagaaa	attactgaaa	tgtattggaa	gaagtagtgg	420
ag						422

<210> 1881

<211> 418

<212> DNA

<213> Homo sapien

<400> 1881

gtgagccgag	attgcgccac	tgcagtcgct	agtccggcct	gggcgacaga	gcgagactcc	60
gtctcaaaaa	aaaaaaaaaac	cttgccgggg	ggataaaaaa	cccggggcct	ttggcccagt	120
ttgggaagtt	ttatggggga	agaatgttta	aactaaagcc	ctttaggggtg	gcggggcttt	180
ttaataatcc	cgttttttac	aacctgggca	aaaaaataaa	accccttttt	ttaaaaaaag	240
aatttgccca	aaacaagggg	ccttaaccct	tgaatcccaa	ccttttgggg	gggtggaccg	300
gaaccattgg	agtaaagaat	ggggaaacag	gccttgacaa	aaaagcgaag	acccattttt	360
tcaaaaacca	aaaaggtaaa	aaaaaattgg	gtacgggggc	ccagccctgg	aaacccaa	418

<210> 1882

<211> 417

<212> DNA

<213> Homo sapien

<400> 1882

cgttgctgtc	ggaacatggt	tttggtatg	gcttgactca	tgggctttca	gtgctttttt	60
ccatttggtg	aaagtaacat	ttctctctct	ctctctttct	attttttctt	tttcaaaagc	120
aaacattggg	tggggaaggg	gtcaaagcta	ctttttgcgc	tattgggttt	tttgccacc	180
cttccctttt	ccaatggaag	gccaggtaaa	aaaaaccgcg	ggaggggcgg	ctcatttttt	240
taattttaaa	aaaagggggc	cccagggtgg	caaggcaata	aaattggaaa	tgaccctttt	300
gagaactttc	gtttttgctt	aaaaaacagc	gggttgatga	gaactcaaaa	acctaataaa	360
gatttttagtc	aaagggaggg	ctctttttct	caccggacct	ttaaaaaaaa	aatggcg	417

<210> 1883

<211> 393

<212> DNA

<213> Homo sapien

<400> 1883

ggcacgaggt	gagctcttgg	caggaccta	acctccttgg	aagataggca	gaaagctctc	60
gacaccattc	catggcccac	gaaccaatgt	aagatgagca	aatggcttga	aggaattgct	120
acctccaggt	caagccaggg	atgcagcact	gccgagacca	cgtttggtgc	aagcactggg	180
ctggaccctg	tgcagaacca	aatgaacaag	gcacgttccc	ctttcagcac	taacggcact	240
gtaagaacag	ggagaagtgg	aatctaactc	ggcctgaggg	tagaggggtg	tcagctaagt	300

ctgaaacacc atgtaaaaac ttgccatgta tggccgggcg cggaggctca cgcctgtaat 360
cccagcgctt tgggaggcca aggtgggagg atc 393

<210> 1884
<211> 185
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(185)
<223> n = A,T,C or G

<400> 1884
cgctctcatt gattagtgga acggaccttc caaacctggc ttataagaag ctaaaaggca 60
aaagtccagg aattatcttc atccctggct atctttctta tatgaatggc acaaaagcgt 120
tggcgattga ggagttttgc aaatctctag gtcacgcctg cataagggtt gattactcan 180
gagtt 185

<210> 1885
<211> 392
<212> DNA
<213> Homo sapien

<400> 1885
cgttgctgtc ggctgaaggc tcatgaagct gaaatgtggg aagttcactt tcgcgccatc 60
cagcccagaa catcttttta cctgctctga agatggatcc ctctggcact gggatgcttc 120
cacagatgta cctgaaaagt cgtcactctt tcaccaaggt aaaacttttt aatgaatact 180
gttatgtgta cttttttttt ttttttttaa aacaaagtct ctttttatcc cccaggctga 240
aaggcagggg cccaatttcg gttaattgaa acctccgcct ccgggggttaa agcaattttg 300
gggcctcacc ctcccaagaa gccgggacta ttatttttgc cccccggcc cgggctaatt 360
tttttgtttt ttaaggggaa aggggggtccc ct 392

<210> 1886
<211> 413
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

<400> 1886
taaggccac agcacatata gactgactgc gatattctat tttcatggca gggagtgatc 60
aggaagaagg cttcctaggg gactggcgat ttaaaccagt tgagaaacac tgccatcagc 120
aggcagtttc agactcactc aagttgtctc ttgacagtca cttctaaatg ggttctaata 180
tgacaatggc ctccaaaact acagccttcc ctgaagttaa agctgtgacc ttagatttta 240
gaaggacagt ggggctgtac ctagaatagt ggttctcgaa gaatgcggcc tgcagatcct 300
gggagtccca agaccctttc agggaggatc tgtgaggtca actggtggca ctgtggcatg 360
aatcaaggtg gtggcagcaa acttctagta gttttgatat gtccttgata gan 413

<400> 1890
ggcagagat atctctacaa ctttgtctcc acaagttatt aatgaagtgt ggcaagaaga 60

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aacaattggg cgtctactac aacttgtaga ccttcactt cttgactcct tactgaaaca 120
gcaagaggct gtacctaaaa ttctcaacc taagaggcag tccaccatgg tcaacagcag 180
taactatctg gatcgaggga ttctcaaggc ttatagtga cttcaggaag atgagtggct 240
ctcggcagca attgactgtt tagaatacct tccagaccaa atgggtgggtg aaataagcag 300
aagctttcct gagcaaccag accgaacaga cttagtga aaacttctgt ttgatgccat 360
tggcagatat tacagtagta ggggaacctt gttaaatac tt 402

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<210> 1891

<211> 412

<212> DNA

<213> Homo sapien

<400> 1891

```

ggcacgagcc gtgttaggct tcgctggcgt aaagtccccg ggagctttgc cctcacgga 60
gaacgttagt tgacctgat ggggacctgt agggtaaagg ttttgTTTTT gTTTTTTTTT 120
acggaaaagg ttgtggttag gcccttgga aagttgcgac aaaactcgag ttagacaagg 180
aaggtcggaa ctaagtggcc acagcaacaa tgcaccagca agcagggagc gtgataggaa 240
gagctaaaga ggaatcgga aacctggag atgggtttca ccatgtttcc cagccttgct 300
tcaaactcct gacctcaagt gatccgccgt cttgggtctt cgaaagtgtt gggacagcag 360
gagtgaacca ccgcatctgg cccggaaaagt gttttggagc gtagaaaaat gg 412

```

<210> 1892

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 1892

```

cgttgctgtc ggatccatgt ggaacagagc cagctggggg gttgggcagc tctctccaag 60
gcagtaccta gagcccagct gaacaacaag gctttgggtg tgaagggact cccagcctg 120
gagaccctat ttggctgaaa cagttacaaa atatcaaat tggtgtcaga tattcctcca 180
attgttcaca tagctgggat atttgttgct cccctcacc cttggattat gtagggagcc 240
agtgcacaca gcctgtttgt tttagtatcc aaggaagaga ccaaggagcc agctggcggg 300
aaggggtggg gtgtgcaanc tgccctgtcc ttctgtcat aacctgacaa aatgccaaac 360
tagcaagcag gatagctgat accacggcta tgagggagt 399

```

<210> 1893

<211> 394

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(394)

<223> n = A,T,C or G

<400> 1893

```

ggcacgagag agagcttacg aggtttgatg tactttgact acttgactca ttctttaata      60
atcttcacct tgccttgccg caaaactgat taaagggaaa agacttatac acatagaagc      120
acataaaata aatgtacgca ttaaggagcc gcacgatgat aagggaagga aaatattaat      180
attatgaagc cgggttccag tcgcattgct tgatgtgagc catatattta gctctcagcc      240
tcctggttgg cacagcaaaa aggcaaacgt gaatcacata gtgtagacga agaataaaac      300
acttcttgct catgggggcc atccagagcc tcacaatggt tacagatgtg tctgactcat      360
aatgtgagtg ctggctccta agatccacaa aggn                                     394

```

<210> 1894

<211> 162

<212> DNA

<213> Homo sapien

<400> 1894

```

atgttaaagtg gccagttaac cactgggaga gcatccggac agacgtttcg ccaagatggg      60
tggaatggcc agttaaccac tgggagagca tccggacaga cgtttcgcca agatggggtg      120
gatggccagt taaccactgg gagagcatcc ggacagacgt tt                                     162

```

<210> 1895

<211> 396

<212> DNA

<213> Homo sapien

<400> 1895

```

ggcacgagcc aatgagctac tcctgacact aatggagaag tgtgccctca tggaagccct      60
ggttctcatt agcaaccaat ttaagaacta cgagcgtcag aaggtgttcc tagaggagct      120
gatggcacca gtggccagca tctggcttcc tcaagacatg cacagagtgc tgtcagatgt      180
tgatgctttc attgcgatg tgggtacaga tcagaagagc tgtgacccag gcctggagga      240
tccgtgtggc ttaaaccgtg cacgaatgag cttttgtgta tacagcattc tgggtgtggt      300
gaaacgaact tgctggccca ctgacctaga agaggccaaa gctgggggat ttgtgggtgg      360
ttatacatcc agtggaaatc caatcttccg taacc                                     396

```

<210> 1896

<211> 409

<212> DNA

<213> Homo sapien

<400> 1896

```

ggcacgagaa tgactctgtt attaaagggtg gcatggagac tgtggaggga atatttttta      60
aagcactact catatccttt aaactaaatt ttgccaaagc ccgagacaac attaaggaga      120
aattgtacct taagttagta attccaaatc tatctgagtt gtatacccat caaagacaat      180
acagctatta tcatagatga aggtatgcta taggcagatg tcattatctc tatattgaat      240
aggtgaaaga taactgtagt caggtgaaag gcattcatta tttttaagct gaaaagggga      300
tccttgaaaa cactgaaaac ctctacaaca atcttcagga agcctgctat cttgggattc      360
actaataata ggccaagaac aaaggcgagc atccattcct cactccacg                                     409

```

<210> 1897

<211> 433

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 1897
 ggcacgaggg gcaaacctgg agaaccctcc taaatccata gagttttcaa aatgtgaatc 60
 tttggaagcc ttgagttcag aatctgctgc tctggaatat tcccttcga tcttatctca 120
 gtcacttcgt ttttgagaag agtgatgcct tgggcatgct ttttttttt ttttttttaa 180
 aaaacagggg gttgaagccc accctattta aaaaccccc catttgagga attacaaggg 240
 ttttgtcctg aattggaggg tgggcaagcc caagccactc gggctaactg gtttttgtct 300
 cggnggctat tccaagaaca aaaggaggaa gttggcccat taccgggggt gtccctggat 360
 gttgtttggg ggcgcgtgcc tttcaaaaac cccgcccaaa aacaaccggg gaagggggag 420
 ggccccgctt ccn 433

<210> 1898
 <211> 399
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 1898
 ggcacgagga aggcctaccg acttacttta tcattgaggg cttactgata caatgaaatg 60
 agtttcatga cttttttttt ttttaacccc tttttgaaaa aaagggggct gggtaaaaac 120
 ccaaaaatat ccttggttgct tttgaaaaga aggcattgaa acaaactttt ttgtagccag 180
 ggtaaaaaaa acggaccggg ttgggcccct cttggtaagg ggggacttca gggccccggg 240
 aaggccgggt tgggggtaac ctgaggggga cacaggccct ggggggggag ggttttttta 300
 actggttacc cgggcccata ggcagacttt ttaaaaaaag gtccttgaag ggggatgtgc 360
 aaagacatgc gggcccgcct aaaagcgagg attaaaaan 399

<210> 1899
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 1899
 ctgtcccccac tgtctttttt tgtttttttg ttacaaccct taaaaaacgg gcttgccatt 60
 ctcaccccaa gcttcatggg acacaagccg cagcagccag actgtagctt gccaacactt 120
 gctagaccat tgctcttcat gttcaaaactg ccagtcagga gcacaaggac cagggaagtgg 180
 cctgacttgg ccaggaccac tcagcccatt acagttagga ggagcggcca gatctcagcc 240
 ccatccactt ggggaagtcag gagaggcagt gaacacatca cctgaaagtc agaggtcttg 300
 cgaaatcacc accaaagcat gtatttgtac aggtaatagt gctgagagtt caacagagga 360
 caggggagaag gtgacctgtg aagactgtgc agggaggagg gacagccact caggggag 417

<210> 1900
 <211> 401
 <212> DNA

<213> Homo sapien

<400> 1900

ggcctcagaa	gctctgggtg	tgccagagga	cccccagaac	taacaagggga	gggcgagtgg	60
gtctccattc	cccgagaagc	caggggcagg	gtgggatggg	gaagaccagg	agcagagtcg	120
agcctcacag	aagccagcgc	gggtctctgc	tcagcaccoc	agccgggggt	ctggacccag	180
ggtaacagcc	ccagtccatc	ccaacccctc	tcagagcctc	aagaggggta	gctcggtgc	240
cggaagagag	gggagcccta	tccttgga	ccctccacg	tagcgtaccc	cagcacctgc	300
caccggcttt	gccatttctt	tgagcttgaa	gttaactctc	ttagagtcta	actgtgggtc	360
atctctgcac	aggtacaata	gatgacttta	tttgtttaga	a		401

<210> 1901

<211> 407

<212> DNA

<213> Homo sapien

<400> 1901

tttcagttca	ctttattttac	tatgacacat	actttcagag	tcctagatgt	gctgtcatcg	60
agteccaggt	cacatcgta	cactcatcag	ccctctgcgg	ccagtgtccc	cacctcctgc	120
catgtttccc	tagtagcttg	gtctttatcc	agaactgtga	ggctgctgtg	gggtgcagcg	180
tccttaggag	ggtcctgctg	gagcagtgcc	cctaagttag	tctggactgt	gtgaggcacc	240
ccagccctcc	acggcaaggc	cggggcctgg	gggtgctggt	gcctgtgtgc	agcctgaagg	300
ctgccctctt	gctgccttca	gcgagtggga	agctggtcag	aggggtgggc	actcctctgg	360
gctccgccac	ctcctggcac	acccatttg	gtctctgtcc	actcctg		407

<210> 1902

<211> 407

<212> DNA

<213> Homo sapien

<400> 1902

ggcagcagca	tttatatata	tactatatat	ttcatatatg	tatttcagga	atttatagac	60
cagacattca	tatatagatg	cggaggtata	tatgagcgcg	tgtgtatata	cacatatata	120
tttatagcta	tatacgata	tacatatata	cacatatata	cgtatatatg	taaacgtata	180
tatacacgta	aataaatata	tttatatata	cgtatatatg	tatacacata	tacacatatata	240
tacgtatata	tgtatatata	cgtgtatatg	tatgtatatata	tgtatgtata	tatacgata	300
cacacacaca	cacacacaca	cacacacaca	cacacacaca	cacacacaca	cacacacaca	360
cacacacaca	gagagagata	cagagagata	tacagagagt	ttagaaa		407

<210> 1903

<211> 389

<212> DNA

<213> Homo sapien

<400> 1903

cgttgctgtc	gggttttgcc	aatcactaaa	gatgcttggt	ttgcctcagc	agtagaatgt	60
ctgcagcaga	tcagcacaac	atttacccca	tcagacaaac	ttaaggatcat	ccagcagact	120
tttgaggaga	tctctcagag	tgctctggcg	tcactccacg	aagacttctt	gtgggtccatg	180
gatgacttga	ttcctgtttt	cttatatgtg	gtgctacggg	ccaggattag	gaatttaggc	240
tctgaggtac	acctcattga	ggatctaata	gaccctatc	ttcagcatgg	ggaacagggt	300
ataatgttca	ccaccttgaa	ggcatgttac	taccagattc	agcgtgagaa	gcttaactag	360

gctgcataac agcttgaaaa ctggattat

389

<210> 1904

<211> 390

<212> DNA

<213> Homo sapien

<400> 1904

ggcagcagcc	catctctact	aaaaatttat	ttttagccgg	gcatggcggt	gcatgactgc	60
aagcccagtt	acacgggagg	ctgatgcagg	agaattgctc	gaacccacga	tgcggacggt	120
gcagagagtc	tagatcgcca	tatatatata	ttcgtatata	tgtatatata	cacacatata	180
tattcgtata	tgcatatata	cacacatata	ttcatatata	ggcatatata	catatatattca	240
tatgtttctca	taatatacga	atacacctat	atgctcctat	atgtatatat	aacataacata	300
tattgatata	tgtataaata	atattcataa	atgtatatat	gcatatatatac	tcatatatgc	360
acacatacat	attcgtatat	gcgtatgcac				390

<210> 1905

<211> 390

<212> DNA

<213> Homo sapien

<400> 1905

ggcagcagag	aatgccgact	acttctccaa	ctatgtcaca	gaggacttta	ccacctacat	60
taacaggaag	cggaaaaaca	attgccatgg	caaccacatt	gagatgcagg	ccatggcaga	120
gatgtacaac	cgtcctgtgg	aggtgtacca	gtacagcaca	gaacccatca	acacattcca	180
tgggatacat	caaaacgagg	acgaacccat	tcgtgttagc	taccatcgga	atatccacta	240
taattcagtg	gtgaatccta	actagcccac	ccctgcactc	tctctcattg	ccgctgccac	300
tatcacctgt	ctctctgccca	gctgatgtgc	cctgttgccc	cccaccccat	cccgcacaga	360
accatccctg	cattccacag	gggactcggg				390

<210> 1906

<211> 396

<212> DNA

<213> Homo sapien

<400> 1906

tgcacgagcg	gcgactcacc	cggattgata	tgccgtgata	tggctatatg	gtggggcgcg	60
ggcgggtgccg	ctgcgacgag	ctgggtgctgt	tctcacatgt	ttcctttcaa	tgggcttttg	120
gtgtatgatg	taggcgaacc	aagaacagga	ggaggtgatt	acagtgcgtg	ttcactaccc	180
ccgagtgcac	aatgagggct	cctggaactc	ttatgtggat	tataagatat	tcctccatac	240
caacagcaaa	gcctttactg	ccaagacttc	ctgtgtgcgg	cgccgctacc	gttagttcgt	300
gcggctgata	aagcaactac	agagaaatgc	tggattgggtg	cctgttcctg	aacttgctgc	360
gaagacaatc	ttcttcggca	cctcagatga	tgtcat			396

<210> 1907

<211> 407

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(407)

<223> n = A,T,C or G

<400> 1907

cttccatagc	ttggccacct	atttgtctca	gaataacctca	tctgtgttct	tggataccat	60
ctcacatgtc	cacctcttgc	tggttcctggt	caccaatgaa	gttatgcctc	tgcaggacag	120
catcagcttg	ctgctggagg	ccgtgcggac	canaaatgag	gagctcgccc	agacatggaa	180
gaggtctgag	cagtggggcca	ccatcgagca	gctgtgcagc	acagttggcg	ggcagctccc	240
aggtctccat	gagtacgggg	ccgtcggggg	ctccacacac	acggccactg	cagccatgtg	300
ggcctgtcag	cactgcacgt	tcatgaacca	gccaggcaca	ggccactgcg	agatgtgcag	360
cctccccagg	acctagggcg	cctgcctctc	gctggctagg	accgggc		407

<210> 1908

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 1908

caagccagtc	aacccgcaga	agtgaatatg	tactaccaga	acacttacca	gacaatgcct	60
tacgggtcat	cctatggcat	tccttatagt	tatacggcct	atggatcatc	agatgccaaa	120
tctcaaaaaa	cagataatac	agtccttttc	aaaactccca	gtaatgagat	gactcccgtt	180
actattgatt	tggtaaagaa	acagcttaaa	gacaggttgg	actccatgaa	agaattgcac	240
aaaacaaatc	gacagcagca	tgagaaacat	ctgcaaagcc	gagtggactc	taccagggtc	300
attgaaagat	tagaagggtc	ttctgggggt	attggtgaac	ggtataaatt	tttgcaagaa	360
atgcgagggt	atgtccaaga	cttgcttgag	tgtttcagn			399

<210> 1909

<211> 407

<212> DNA

<213> Homo sapien

<400> 1909

gaagattcac	agtggacaat	gtttaaggag	attttagagg	gcattcagta	aggggtgtcac	60
ctgtctaagc	ttttctaagg	atagcagtca	aatccttaat	gcttcttttg	accagacaat	120
tagaattcat	ggtttaaaat	ctggtaaaac	cctgaaggaa	tttcgtggcc	attcctcctt	180
tgataacgaa	acaacattta	cacaagatgg	acattacatt	attagtgcac	cctctgatgg	240
cactgtaaag	atctggaata	tgaagaccac	agaatgttca	aataccttta	aatccctggg	300
cagcaccgca	gggacagata	ttaccgtcaa	cagagtgatt	ctacttccta	aaaaccctga	360
gcactttgtg	gtgtgcaaca	gatcaaacac	ggtggtcatc	atgaaca		407

<210> 1910

<211> 408

<212> DNA

<213> Homo sapien

<400> 1910

```

ggcacgagac aggcaccaag atgtccaacc gagtggctctg ccgagaagcc agtcacgccg      60
ggagctggta cacagcctca ggaccgcagc tgaatgcaca gctagaaggt tggctttcac      120
aagtacagtc tacaaaaaga cctgctagag ccattattgc ccccatgca ggatatacgt      180
actgtgggtc ttgtgctgcc catgcttata aacaagtgga tccgtctatt acccgagaa      240
ttttcatcct tgggccttct catcatgtgc ccctctctcg atgtgcactt tccagtgtgg      300
atatatatag gacacctctg tatgaccttc gtattgacca aaagatttac ggagaactgt      360
ggaagacagg aatgtttgaa cgcattgtctc tgcagacaga tgaagatg      408

```

```

<210> 1911
<211> 392
<212> DNA
<213> Homo sapien

```

```

<400> 1911
cggccgcgaa taaggattac aaggcacgct tgacctgtcc gtgctgtaac atgcgtaaaa      60
aggatgctgt tcttactaag tgttttcatg tcttctgctt tgagtgtgtg aagacacgct      120
atgacacccg ccagcgcaaa tgtcccaagt gtaatgctgc ttttggtgcc aatgattttc      180
atcgcatcta cattggttga tctaagtcaa gagaagaaga ggagctggct agtcaggaac      240
ttattcatta accaccaaac ctctacctct tctctccttg actgtcacct gtaggacagt      300
ttatcagtca actacctttc ctccagactt tacttccagg ctctcctctt cagtagctgg      360
atgacttttag cagaaaggac tggtaaatac aa      392

```

```

<210> 1912
<211> 401
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

```

```

<400> 1912
ggcacgaggt ctacagcctg acccagctgc ccgctatcgc aatgtgttgg aggccctctg      60
gaggattata agaacggagg gcctatggag gcccatgagg gggctgaacg tcacagcaac      120
aggcgcaggg cctgcccacg ccctttatct tgctgctac gaaaagttaa aaaagacatt      180
gagtgatgta atccaccctg ggggcaatag ccatattgcc aatggtgcgg ccgggtgtgt      240
ggcaacatta cttcatgatg cagccatgaa ccctgcggaa gtggtcaagc agaggatgca      300
gatgtacaac tcaccatacc accgggtgac agactgtgta cgggcagtgt ggcaaaatga      360
aggggcccgg gccttttacc gcagctacac caccagctg n      401

```

```

<210> 1913
<211> 383
<212> DNA
<213> Homo sapien

```

```

<400> 1913
cgttgctgtc gggccatttg ttttgttttg gtgtccctt tgaagccctg ccttctggcc      60
ttactcctgt acagatattt ttgacctata ggtgccttta tgagaattga gggctctgaca      120
tcctgccccca aggagtagct aaagtaattg ctagtgtttt cagggtttt aacatcagac      180
tggaatgaat gaatgaaact ttttgctcct tttttttctg gttttttttt ctaatggagc      240

```

```

aaggactaag gaaaaccttt ggtgaagaca atcattttctc tctgttgatg gggatacttt 300
tcacaccggt tattttaaag ctttctcaat aggtccagag ccagtgttct tgttcaacct 360
gaaagtaatg gctctgggtt ggg 383

```

```

<210> 1914
<211> 384
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

```

```

<400> 1914
cgttgctgtc gcctggnttt tttttgcctc ctccctttcc cagcaccatt tattttgggt 60
tctgagaaac agcttctctc cattacaggc accaattcaa ttaggcagga gatagtgtg 120
aagggttttg tttccatcag cttctgctgt gtaaatagta gctctgttg aaaaactttg 180
agaagtgtgt gtgatgtgcc tctttctggg ttccgatccc ttctcagcct ggtgatgcca 240
tggcattcaa atcaatttgt ttctcttccc ctcccctacc ctacatccat catacaaaat 300
gggggtggtt gcactaatca gagatctgct tttttcccc cacagatatt ggtaaattat 360
taaaaaacca taaattttct tcta 384

```

```

<210> 1915
<211> 385
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

```

```

<400> 1915
ggcacgaggg gaccctgctc gccagatgg ctccctggaca tttgccagc gtccactga 60
gcaggaactg agggcccgta aagcagcac gccaggggga cgtgaacggg ctgcctggc 120
aactgcccag gacaaggccc gctccaacaa agggctcctg gncagnattt nttntttttt 180
ttnttttttt tttttttttt tttttttttt tnnttttatt aatatttttt tttatcttct 240
atatctaccc ctattccccc ttttttttag gcaaaaaaag tgttaaacc cctctttttg 300
gttctggata aaaaagaaaa atgccccgac atagggttct cctccctaag agaaaaaaa 360
gcccttttgg ggggcaaaaa aggtg 385

```

```

<210> 1916
<211> 383
<212> DNA
<213> Homo sapien

```

```

<400> 1916
ggcacgagga cctgcgcctg tgccctttat aggttcctgc ccggcatatg atgcacatct 60
cgacaaacga gatgaagcac ggtgcgtgcc gataaaatgg aacagatgtg gactgataag 120
cggctgatcc tgtatgtgtg gggctccaac gactttctga ggcgaggtcc tatggactag 180

```



```

aagtccatgc tgtctgaaga cacaggggtct ccccttgcgt ctgtgccagg acagagggac 180
tgccaccagc caagctgcaa tcctttttaa cgctaaaaac ggccgggctt ggtggctcat 240
gcctgtagtc ccagcagttt ggggtgatga ggcgggtgga tcccctgtgg tcgggagttc 300
aagatcagcc tgaccaacac gaataaacc cttctctact aaaaatacaa aattaggccg 360
ggcacagtgg                                     370

```

```

<210> 1924
<211> 374
<212> DNA
<213> Homo sapien

```

```

<400> 1924
ggcacgagga gagagagaac tagtctcgag agcagatctc tctctccggc acgaggagag 60
agagagaact agtctcgaga gcagtttttt tttttttttt ttcccagca ccgtgagggc 120
ttactggagc acatttttgcc ccacaaaaag gaaatagccc ttctaattcc cgctgcaaa 180
acacaaaacg gcaaccctcc cggggaaaaac ttttgagaaa ccccgccggg gcaccaaaga 240
cctaggggga agatctgggt caaagggttaa aaattccgta agaaagggcc tataggagct 300
gtgagaactt tttttgcca cgaataacca tttttaacaa acagccctaa cccctagggg 360
agagctggac gggg                                     374

```

```

<210> 1925
<211> 370
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (370)
<223> n = A,T,C or G

```

```

<400> 1925
cgttgctgtc ggtttcttga agaggtagag ggataggtta gtaagatgta ttgttaaaca 60
acagggtttta gtttttgctt tataattagc cacaggtttt caaatgatca catttcagaa 120
taggtttttta gcctgtaatt aggcctcatc ccctttgacc taaatgtctn acatgntact 180
tggtagcaca tccacctgta tcactaatcc ccatctgggt ttgggggatg cgctggcacc 240
atttcccaaa aatttacgtg taagtatcac aaagagggtc tctacaatct ttagatttcc 300
tttcgacaag attgcaggcg attcctctcg gagaccttcc ccccggcatt ttggacccta 360
tgagagggcg                                     370

```

```

<210> 1926
<211> 150
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (150)
<223> n = A,T,C or G

```

```

<400> 1926
atgttttaaan catgggtccg gagcctttta ctctcccgaa ctcttgagg ccctaacgct 60

```

gcgctttgag gctcccgatt ctcggaatcg ctgggaccgg cctttattca ctttgggtggg 120
cctataagag ccgttgcccc tggcggtgat 150

<210> 1927

<211> 354

<212> DNA

<213> Homo sapien

<400> 1927

ttgcttatac	tctcactgga	accaatgcat	ggaacagggtg	gtgcagacct	ccagctgata	60
atgcattgaa	gaacaggcat	catatgctaa	atgagtgaag	ctagagatct	attcgacacc	120
ataaggacct	gcatgaaaca	aaatagcatc	accacttgca	tacgtaacat	gatcaaccca	180
caggcctata	tgttggaagt	gctgtccggg	gctgttactg	tctcttctgg	ttataaagca	240
gacatgtggc	catcttttcc	gcagggttag	agtgggctcc	tttctttttg	gaatcctttt	300
cttctccttt	ggtagcagct	ccctgcctcc	agggcttccg	ccaccagcgt	ctct	354

<210> 1928

<211> 336

<212> DNA

<213> Homo sapien

<400> 1928

tacgctgctt	taagacgaca	gaagggctga	tctttcatct	atttgagaaa	acgcattcta	60
gcagggtgtg	ggtaatctca	ttgtggtttt	aatttgcatt	tccctaattg	ctagtgtctg	120
tgaacgttgt	ttgcatgaac	ctgggatgtc	ttcttttgag	aagcattttc	acaagccatt	180
ggtgaagtat	gtggatcacc	accacccata	ctccaaccct	gttcccagtc	actggtacct	240
ataggggtgag	agtgaggttg	ctcatcaacg	agctctccaa	gtcataagct	gctgctctcc	300
cactcacgat	gcttggtgat	tcagggacgt	tttccc			336

<210> 1929

<211> 448

<212> DNA

<213> Homo sapien

<400> 1929

tttttgcagg	atcccacaca	tatggagtct	taaattagtt	ttgggtgtca	ttttgatgcc	60
tagagtcata	gaagagtgat	taggagcttg	tggggtataa	aaataacttg	agaattggct	120
gaaagcaact	aggggaagatg	ggggtagtag	tatgtgtaaa	catttgaggc	agtagagatg	180
tgggacccaa	atactgttcc	ccttttactc	aaattctgag	atgagttgac	atgttctgtg	240
tagggctaga	gagtagaaaa	atggccagta	ggtggtagcc	acagagaagc	agtgcgtaca	300
aacaagtaag	tatgcaaaat	ttgtacatac	ggtttcagga	ataactagaa	taccataaaa	360
atatccacct	gccttataaa	ctagaacatc	attgataact	tggaagccct	tgcataacct	420
tccatgatct	catttgtctt	cacagctt				448

<210> 1930

<211> 463

<212> DNA

<213> Homo sapien

<400> 1930

tgctcgatct	gcacgatccc	aacgatgcga	aatcggcacg	agcagaaacc	cggttcccag	60
------------	------------	------------	------------	------------	------------	----

```

cgtcggcggc cgggttccg ctgcccgtga gctaaggacg ggccgctccc tctagccagc 120
tccgaatcct gatccacgcg ggggccaggg gcccctcgcc tcccctctga ggaccgaaga 180
tgagcttcct cttcagcagc cgctcttcta aaacattcaa accaaagaag aatatccctg 240
aaggatctca tcagtatgaa ctcttaaaac atgcagaagc aactctagga agtgggaatc 300
tgagacaagc tgttatgttg cctgagggag aggatctcaa tgaatggatt gctgtgaaca 360
ctgtggattt ctttaaccag atcaacatgt tatatggaac tattacagaa ttctgcactg 420
aagcaagctg tccagtcatg tctgcaggtc cgagatatga aac 463

```

<210> 1931

<211> 460

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(460)

<223> n = A,T,C or G

<400> 1931

```

tacatttagc ccagcgactt gttgnaagc ccatccaatc gattcggcac gaggaaatca 60
attggagaac ggtttttatt taatacagtt gcacagggtg taaaaaaact tgctttattt 120
gacgaatgga attccttggc tgtttatgtt tcaatggata acacagtggg cattgaagat 180
atcaaaaaaa tgtgccgtgt cttcccttg agagctgaca catctggtga caggcctccc 240
gattctttta ctgctttcta ccacagtaaa ggcacctctg cctactgctc agcctggaaa 300
cccctgctgc tcattgtgcc cttcgctg ggcataaacc aaatcaatcc tgtctatggt 360
gatgcattca aagagtgttt taagatgcc aagtccttag gggcattagg aggaaaacca 420
aataacgcgt attatttcat aggattctta ggtgacgagn 460

```

<210> 1932

<211> 436

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(436)

<223> n = A,T,C or G

<400> 1932

```

cacacttgct tgctcgtttg gccgaatcgg cctaccggtc gtcagaatac gacagaaggg 60
accacagtcc acctaaaggg tgccctacag ccacttgagt ttttcaaact gagtaatcct 120
aaactgttca tcccaccctg ctttgccctt tccatgaaaa tgacagtaag ggctgtggcc 180
tggactttac cctcattact gcttctgctt cctgaccaa accctatgca tctcttaagt 240
ctggcggtgg gtgttgtggc atgccgtctt cttccaggaa atgcaagtaa tacacatttt 300
tcagtgatat tggcctttct atgttgtcac ttactaataa ctccatanat taaatcttgg 360
gtgcatttta gaacatgctg tacctttgat tggtttgctt taggctagtg agttgagttc 420
tgtgcttaca ctgaaa 436

```

<210> 1933

<211> 440

<212> DNA

<213> Homo sapien

<400> 1933

```
cgttgctgtc ggaatagag taatTTTTTT tccattcca cttggaagct gtgtacctca 60
agtgtgtgca ctttaca aa tgggtgaaac ataacttatg ttagtccaag cttgatttga 120
cttcagttct gcttcaacgt tttagtagat agggcactga actggatgct gaaagcgtgg 180
gatctctttc tgttgcttca cttccaacag tgtggtttca ggtaatacga catgtttgtt 240
acttggtttg ctgatctatg tgttgga aa aatgctcacc acaggaggat tgactacata 300
gcctgctttc atagcttggt tgtatttatc cagtgcctta atagttgata ctgccagtga 360
tttactcctg tggagtaaa gtaagcatgg tttaatTTTt tgagtattat atggtacgtt 420
ggagctaggt atttaagaat 440
```

<210> 1934

<211> 444

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(444)

<223> n = A,T,C or G

<400> 1934

```
ctcgctcttt gtgcaggatc ccatcgactc tcaacatgag aaagctTTTta ttttctattc 60
ttttcaattt tttcacattc taaaattttg gctgggcgga tcttgatttt taaaacattt 120
gtcctttgtt ttctaaagag ggtcgttggg ttgcttagtt tttaaaaaaa ttgacgaatg 180
atgtttttta acgaacatgt tcatcttgct aattttttgt tgtttttttg agacggagtc 240
tcgctctgtc acccaggctg gagtgcagng gcaccatctt gtctcactgc aagctccgcc 300
tccccacttg aactgattct cctgcctcag ccacctgagt agctgagatt ataggtgcct 360
gcccccatgc ccagctaatt tttgtatttt tagtacagac agggattcac catgttggcc 420
acgctggtct tgaactcctg agcg 444
```

<210> 1935

<211> 426

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(426)

<223> n = A,T,C or G

<400> 1935

```
tgtgaacact cccctatgta aatatgctga caataaattg tatggagaat ggtattttaa 60
aagtgtttgg agacttttca cctgtcctat aaaattttga attgtgtatg tgatctacat 120
agaaagaata ttaaagagta ggttgaactc tttatagcca aatacagcct taaatatgct 180
tgtatagcat ccaactggcag aagtaatagt tgtgcctcag acttgggggt tgcattgtggc 240
cctggggggag ttactaccct tggatgcat gagcggttcc tattagcatc agtgggaact 300
cagtactctg tatgtatcca caaaagggaa cttgagacct acagttattc ttaatttctg 360
atattaacaa ccgtacatac tgctgaattt aactcanaat atttcaggta agtgaaagtg 420
gtgctt 426
```

<210> 1936
 <211> 424
 <212> DNA
 <213> Homo sapien

<400> 1936
 ggcacgagga atcaagggaa taaaagctta ttctgatatt atagagcata taacagccat 60
 gtagatatgc atggtataga gaaatcagtt ctatgatgga tgtaccacca aagttgccga 120
 gcattatata gagatgcttt tgatatgagc cctaaaataa attgggatag agaggagtt 180
 ggtgaatttg agataatttt tcaaagaaca taccatatgg cgacgcaaac ggtagatata 240
 aatcagtgat aagctatatt ttgagtcctta caattgtttt tacaattacc cctgttttga 300
 gtatatatct tggcaaatca ttctaataaa tatttgctga taactgcgcg gaatacatac 360
 atggtagcta gaaatttgga agaataccta catattttca ggtatcattc tctgtgcaaa 420
 tacc 424

<210> 1937
 <211> 431
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 1937
 cggttgctgtc ggacaggagg caggtgtgta tgggtgaaat tattttgaca ccttagagtt 60
 aaccgggcct tagagtcagt acattggttc aagtaacaaa tatcaaagca gaactcttag 120
 tgtggcaaac aataaataat tgtctcctag attcttatac aagtcactgt ccgtccccaa 180
 ttggtagctc ttagaatggc tggagttgca ttcatgtgca cagcaagaca caatggtttt 240
 gatagcaaag cagtagagaa actaaatgta gagaggcaga gagaactgta ttaagtctga 300
 ggacctggtg gttgtcatgg gcagcaggaa gtgtgaagga gaggggtttc cctccgatga 360
 aaggaaggct agggcttgat tcangggagc aagtgggatg ggccctgctg gtccctggct 420
 gtgcctatat t 431

<210> 1938
 <211> 425
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 1938
 cgggtgctgtc gaaaaaaaaa caggtttctt tgttgagctg tgtcttgaag gcaaaagaaa 60
 aaaaatttct acaggagtct ttcttgtttc tagttgagct gcgtgctgta atgcttattt 120
 tcttttgttt atgataattt cacttaactt taaagacata ttgacacaaa acctttgttt 180
 aaagatctgc aatattatat atataaatat atataagata agagaaactg tatgtgctgag 240

```

ggcaggagta tttttgtatt agaagaggcc tattaaaaaa aaaagttggt ttctgaacta 300
gaagaggaaa aaaatggcaa tttttgagt ccaagtcaga aagtgtgtat taccttgtaa 360
agaaaaaaat tacaaagcag gggtttagag ttatttatat aaatgttgag attctgcact 420
atttn 425

```

```

<210> 1939
<211> 426
<212> DNA
<213> Homo sapien

```

```

<400> 1939
cgttgctgtc ggtttaaatt tagacctttt gagttaactc ttctaatagt ttgtgctcca 60
agagagccca gcacaccctt ccatgaatgg tgtcttttca aagataactg tttttgaatg 120
ttcattgaaa aaattgtaga gtagtcactc atcatttttt cagttacact caaataacaa 180
ctattagtag acgtgttatt tttataaaga atgaacagat gaggccagga acagtggctc 240
atgcctgtaa tcccaacact ttgggagggt gaggtgggag gatcatctga ggtcaggagt 300
ttgagaccag catgaccaac atggaaaaac tccgtctcta ctaaaaatac aaaattagtt 360
gggcgtgggt gtgcatgcct gtaattccag ctactcagga ggctgaggca ggagaatcgc 420
ttgaac 426

```

```

<210> 1940
<211> 425
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

```

```

<400> 1940
ggcacgagga tggatcaaaa gttatgatta cacactgtaa tctaaatgaa ttttaaggaa 60
ggcagtactt ctagaacctg cacagattta ctcatattcc ttcaggaaag tgtttaaaatc 120
gctcagaggt cctgcatcaa gcattcatct ccaattgtga ctccagtaca acgactcata 180
aatgggaaat gaataacatc catagtgttt agagagaaaa aaatagacca ataacctacc 240
tactgacaag taaatttata caggactgaa aaccgcctga aacctgctgc aactattggt 300
attaactctg tatagctcca aacctggaac ctctgatca gtttgaagga cattgataaa 360
ctgtgatttt acaataacat tatcatctgc agttactgtt tacaagactg cttttacctt 420
acacn 425

```

```

<210> 1941
<211> 435
<212> DNA
<213> Homo sapien

```

```

<400> 1941
cgttgctgtc gagagcttca aacaagaagg gaaatggaag aaagaacaat aactatagaa 60
atccctgaag ttctgaagaa gcagctggag gatgattgtt actacattaa caggaggaaa 120
cggaaagtgc cacaagcact aacaggagcc aggaggaact ctctccaggt ccgcctttgt 180
tgaatccatc caccgccacag tccacagaga gtcagccgac caccggtgaa ccagccaccc 240
ccaaaaggcg caaagctgag ccagaagcat tgcagtctct gaggcggtcc acgcgccaca 300

```

```

gtgccaaactg tgacaggctt tctgagagca gcgcttcacc tcagcccaag cgccggcagc 360
aggacacatc cgccagcatg cccaagctct tctttgacct ggaaaagaaa acacctgtgc 420
ataacagatc atctt 435

```

<210> 1942

<211> 444

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(444)

<223> n = A,T,C or G

<400> 1942

```

ccggaacccc cctccccaag actatgaaag tgatgacgac tcttatgaag tggtggattt 60
aactgagtat gcaagaagac accagtgggtg gaatcgagtg tttggccaca gtccgggacc 120
tatggtagaa aaatactcag tagctaccca gattgtaatg ggtggcggtta ctggctgggtg 180
tgcaggattt ctgttcaga aagttggaaa acttgacgca actgcagtag gtgggtggctt 240
tcttcttctt cagattgcta gtcatagtgg ctatgtgcag attgactgga agagagttga 300
aaaagatggg aattaagcca aaagacagat taagaaacga gcgaaccaag ccgcaccttg 360
aattcaccat ttaattggag aagccacaga atttattcag ccgaacattg tgatatccag 420
tggatttgtg ggagggttt tgcn 444

```

<210> 1943

<211> 426

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(426)

<223> n = A,T,C or G

<400> 1943

```

ataacgctac ttgttctttt tgcaggttnt tgcgattcaa ttcggcacca ggccatcttt 60
aagtcctacc cgacagtggg ggacgtggcg ctctacatgg ccttcttccc cgtgtggaac 120
catctctaca gattcctgag aaacatcttt gtcctcacct gcatcatcat cgtctgttcc 180
ctgctcttcc ctgtcctgtg gcacctctgg atttatgcag gaagtgccaa ctctaatttc 240
ttttatgcca tcacactgac cttcaacgtt gggcagatcc tgctcatctc tgattacttc 300
tatgccttcc tgcggcgagg gtactacctc acacatggcc tctacttgac cgccaaggat 360
ggcacagagg ccatgctcgt gctcaagtag gcctggctgg cacagggctg catggacctc 420
atgggc 426

```

<210> 1944

<211> 413

<212> DNA

<213> Homo sapien

<400> 1944

```

ggcacgagcc cacacaacga gcccatgac tccaaagggc agcacagcag atggactgct 60

```

attatcccag	tggtacagat	ggggaaactg	aggcccgga	aggcagactt	gcttgcctaa	120
tgtcacataa	ggagaaagt	gctgtgctag	gattggaacc	caggctgtca	ggttctgagc	180
ccttcccttt	ctgtctgtgg	gcctactgtg	tgctcccaa	aagctgtggc	caaattaagg	240
aggtggcatg	tctgattcat	ctgtggcggg	gcctgggata	tatagtaact	ctcaacaatg	300
gtgttcatta	gtccgggcat	ggaggtcac	gcctgtaatt	ccagcacttt	gggaggccga	360
ggcgagtga	tcacctgagg	tcaggagttc	gagaccagcc	tggccaacat	gga	413

<210> 1945

<211> 405

<212> DNA

<213> Homo sapien

<400> 1945

ggctggtgag	acacgatccc	ctcctaagaa	aatgttggtg	ctcagacagg	taaccactgc	60
tgctactgtt	tttatttggt	tgtttggtca	attttattta	agatttggtt	ttgttgact	120
aggattttta	aaaatgtaat	atattgcagg	atttataacc	aggttccactg	actgcttgct	180
tgctttcttt	tttttttttt	ttttctctct	taaaaaacca	aaacaaagtt	cttttaaaaa	240
tacttttagg	ccccttggaa	gctggatttt	tgaaatgttt	cagaagggga	caaaaatcgg	300
tgggggaaat	tttttagttt	cccaggttta	attaaaaagg	tttttaattt	ggtttgggat	360
tttggggggg	gatttttttc	cctttatcca	aaggcctttt	ggcgg		405

<210> 1946

<211> 405

<212> DNA

<213> Homo sapien

<400> 1946

ttaagaagga	cctgatatgt	aagcgtggt	catttttctt	ctggggttta	ctgatcaggg	60
tggagatttt	aacttcattt	agtaattact	ctaggagatt	ttaccttgac	ttatatattt	120
catgacgttt	catgatttgc	tgctggtttc	aaatgaaact	acaaatctgg	catgttttac	180
tgtgaacact	tttgttattt	gttttgatcc	cttttttgct	ttgtttttct	gttttagctg	240
ccttctgaaa	aaagagttgt	tccctctgtt	tctgtcctca	gatgatgtcc	ctccccctac	300
ctgtaacctt	tctttgacat	aattgttcat	atcaatgaag	gtgctgacca	gctcaatata	360
cagttaagca	caagatctaa	agctcttgaa	atgcccagga	aagaa		405

<210> 1947

<211> 404

<212> DNA

<213> Homo sapien

<400> 1947

ttttttcgat	ggaatcttgc	tctggctaata	tttcgtattt	ttagtagaga	caaggtttca	60
tcatgttggc	caggggtggt	tcaaactcct	gacctctggt	gatccacctg	cctcggcttc	120
ccaaagtgtc	gaggcaggcg	gatcacctga	cgtcaggagt	tcgagaccac	cctggccagc	180
atgatggatc	caagccggga	ggctgaggca	ggataattcc	ttgaacccag	gagtcagagg	240
ttgcagttag	ctgggcaaca	cagcaagact	tcatctctta	taaaaaaaaa	agacccccac	300
ccccccaaaa	aatgggagcc	cctgttctcc	actttttgaa	aagcttaaaa	tgtgttttta	360
tcttggggcca	gtcttttagaa	cacccttgcc	caaaaatggt	taac		404

<210> 1948

<211> 417

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(417)

<223> n = A,T,C or G

<400> 1948

gtcggcacga	ggctggccgg	tcgtggtggc	tcatgcctgt	aatcccaaca	cttaaggagg	60
ctgaggtggg	cagagcacct	gaggttggga	gttcgagacc	agcctgacca	acatggagaa	120
atgccatctc	tactaaaaat	acaaaaatta	gccgggcatg	gtggcacgtg	cctgtaatcc	180
cagctactca	tgaggctgag	gcaggagaat	cgcttgatcc	tgggaggtgg	aagttgcagt	240
gagctgagat	cacgccattg	cactccagcc	tgggcaacaa	gcgaaactct	gtctcanaaa	300
aaaaaaaaaa	aaaggggccgc	cgaatgagga	aattaaagg	gttttttcca	aaggaccctt	360
gccaaaaaaa	aaacttttag	ggggaccctt	aatccgggaa	aacattggaa	agccaaa	417

<210> 1949

<211> 416

<212> DNA

<213> Homo sapien

<400> 1949

ggcacgagaa	gcactccgct	tgctaataaa	accagagttt	ctggatagtc	caaaacattg	60
gttcttagag	tataattcct	aaaccagcag	catctgcatc	acctagaaac	ttgtcagaaa	120
tgcaagttaa	cagactccac	accagaccta	catgaatcag	aaactctagg	tgtggggccc	180
aaaaatgtag	cttaacatgc	ccttcagggtg	attctgatgc	aaagtaaact	tacagaaccc	240
ctgcactaga	gaaaacactt	ctttttgaga	tagtcaagggt	tgtatactgt	ttctaccaag	300
cacaaatata	ggagcatttg	agattcttcc	tgtgcaataa	taagaaatca	acaggaaatg	360
tttcagtgac	tgtgtgtgtg	tgtgtgtgtg	tttataaaaa	tatcttgata	tatatg	416

<210> 1950

<211> 412

<212> DNA

<213> Homo sapien

<400> 1950

tgaaacaccg	tctctaccag	aaaatacaaa	ttattagtca	ggcgcggtgg	cgggtgcctg	60
tagtcccagc	tactcgggag	gctgaggcag	gagaatgacg	tgaaccagg	aggcggagct	120
tgcaagttag	cgagatcgcg	ccactgcact	ccagcctggg	cgacagagcg	agactccgtc	180
tcaaaaaaaaa	aaaaagggtt	tcaaagttcc	tttttggtta	agaaccacg	taaaaggctg	240
agtctattct	gcatactatg	cccacagaaa	aggaagaaaa	cttttttaaaa	gggagaatcg	300
catgttttca	atgaaaacat	tcacttggtg	tttcatttgt	aaaaaaaaaa	agggggcctt	360
tataaagaac	tttggggaaa	cactttgctg	aatgtttggg	actctggaac	ta	412

<210> 1951

<211> 422

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(422)
 <223> n = A,T,C or G

<400> 1951
 ggcacgaggt gactcacgcc tataattcca gcactttggg aggccgaggc aggtggatca 60
 cgaggtcaag agatcgagac catcctggcc agacatggtg aaaccctgtc tctactaaaa 120
 atgcaaaaaa ttagctgggc gtggtggcgg gcgcttgtag tcccagctac tcaggaggct 180
 gaggcaggag aatcacttga acccgggagg cggagggttg agtgagccga gattgtgcca 240
 ccgcactcca gcctggcaac agagcgagac tctgtctcaa aaaaaaaaaa gggaaatctg 300
 gttttttttt aacccaaaaa tttcttaggt tggggcccaa cttctttgtt ggctggggcc 360
 tttgcacttt gaagggcccc caccccaagg ggttttgttt gtttccaggg ctttttgaac 420
 tn 422

<210> 1952
 <211> 413
 <212> DNA
 <213> Homo sapien

<400> 1952
 cctatatcaa aacttatcaa atggtgttct ttaaatatgt gcattttatc atatttcaga 60
 tatacctcaa caaagctgtt agaaaCaagg agttggaatt agaaaaatta cccaagtagt 120
 attcaaatac ctaattattt gcttgaaagc actgaaggcc aactatggaa ctcagtggct 180
 ccaccagaga gaagtctggc tagtggtcga ggtggcgtgt cctgaccatt cagtggctga 240
 gccctgtgaa aacaggcatt ctgtaggctc tcggatgagg aacttgca gaagcagcggg 300
 tgctgccatc ctaagctggt tttccatatg ggcttctctg tgagtgttaa gaaaagctgt 360
 ggtttgcctg tcagagttag cgccccact cagggtaacc acagtttctc cat 413

<210> 1953
 <211> 409
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n = A,T,C or G

<400> 1953
 cgggtgctgtc gaaaaaattt ctggattctt aaaccaggaa gtatgtctgc atgcaaacat 60
 tgcttctgag ccatttcttg gtatccttat tgacaggctc atcctgcttt tcttcaactat 120
 gttaactgaa cttactattt ctgtctactt ttaggctctg actttgacct ttctgtgtg 180
 tgaatttaaat ttctccctct tagcagtaaa gcaatgcata gattactttt aatgaccac 240
 cctttccttt catttgcatt agccctatga tattctatat cttcttactt tcctagggta 300
 gtagaagtct tggttgttt tgccagacag agcaaaagtg gcctgggatc cacctaaatc 360
 tcgtaaaata tttccttaca cagaacgcaa aattgcttag tactctctn 409

<210> 1954
 <211> 412
 <212> DNA
 <213> Homo sapien

<400> 1954

cgttgctgtc	gggcttgggc	tgcaccactc	acagagctcc	ctccccagg	cacttagttg	60
gggcccagca	ctgacctttc	ccctgagccc	aggatgtggc	cagagccccc	tctgggaccc	120
ctctcgcccc	ttctctgect	cctcagcttg	agctgcctgc	ccgaagttcg	gctgttccgg	180
ggccagtgtg	tcacctgcca	acttccacat	cacctcctc	cctcgctccc	tcctctcctt	240
ccccaaggac	ctccccccat	ttctggcagc	caagccatta	atctggagac	agaaatgggt	300
ttgctatcga	ttctctggcc	actttttctt	tcattacaat	ttgtaccggg	attcttctca	360
cccttctctg	cgtccgtgca	tttaaagagt	tgtctcttta	aatgttgaag	ct	412

<210> 1955

<211> 408

<212> DNA

<213> Homo sapien

<400> 1955

ggcacgagga	gctcctcctt	tcttctcact	ccttccccct	cctccctcca	tgcccactcc	60
ccctgcctcc	agcaggccag	gaagaaggca	cagtccaggc	aagtctggga	gcttccaagc	120
ccttgaggtc	cagctgtggg	gccc aaatga	cagccttaca	agggttctac	cagagaggaa	180
aattccacat	cccaccagaa	gacaggggtg	ttggcaggca	tactcctatc	tcctcctctt	240
ggctctcaat	gctgaggctt	gcagaggcat	cccagcggca	ccagcctccc	actgcacagc	300
ttccttccct	ccttcaactc	cctctccccct	ccctgccccct	tgctcactct	cctcttctag	360
actgcattag	attcattcat	ctcattttcc	aggacatggt	ggccagag		408

<210> 1956

<211> 408

<212> DNA

<213> Homo sapien

<400> 1956

cgttgctgtc	gctttttttc	cctattatat	ttttggttct	attaggattt	acttaactga	60
atcttataac	aattcgaggt	gaactgtggc	aatgaaaacc	agaaacagtt	aatgagatgc	120
ttcagctcac	agtttgaagt	gctgagaacc	taagtatttt	gctgtacggg	actgagctgt	180
acccaaatat	gatggtttag	gtttatgtgc	aagactttgt	gttgtagtct	agacaaaggg	240
gtgggcaaga	gacatgcaaa	gctgaagccc	tgcttgaaaa	gacccttcaa	ggaagtaaaa	300
tggcaggggc	agagtgcagc	ttaacatggt	gctatccctg	ttgtttttga	gttggttttg	360
gaatggattc	aagttcttac	acaatttatt	ttgaatacaa	gcataatc		408

<210> 1957

<211> 422

<212> DNA

<213> Homo sapien

<400> 1957

ggcacgagga	agctgctggt	cggaagtttg	ccatggactg	gaaagaagtt	cttgtcggcg	60
cctagcgacg	cccaacacct	gtccaaacaa	aaaaaaaaagt	gaacaagaat	taaaagatga	120
aaaaagggat	ttattttacaa	aatattactc	caaatggaaa	ggaggtaaaa	aaaacacaaa	180
tgaattttat	aaaaccattc	cccggtttta	ttataggctg	cctgctgaaa	atgaagtctt	240
actacagaaa	ttaagagagg	aatcacgagc	tgctttttta	caaaaaaaaa	gcagagaact	300
gtagataat	gaaaaattac	agaacttatg	gtttttgctg	gacaaacacc	aaacaccacc	360
tatgattgga	gaggaagcga	tgatcaatta	cgaaaacttt	ttgaaggttg	gggaaaaggc	420

tg

422

<210> 1958
 <211> 408
 <212> DNA
 <213> Homo sapien

<400> 1958
 ggcacgaggt caatgtttta tacattattg acagaactta cgatgatttt aggtggctca 60
 gggatgtagt aaagtacttg tgttctgctg gttaggctaa gctgaagtga caaatggccc 120
 tcaaattgtct gggttcaaca aaagttcatt tgcttttggt gaatgtctgg cacatgtctg 180
 tcagccagca ggcacctggg accctgctcc gggttagctt caccctggga ctctgggctgc 240
 catgtctgac acgtgggtgg ccactggcag agggacacac gatcggggca agttctgctg 300
 gcccttaaag cttctaccca gaagtgacca ttaaccactt ctgcctacat tcaactgggca 360
 aatcaggtcc catggcaacg tgagagggca tgtactctcc cttgaggg 408

<210> 1959
 <211> 404
 <212> DNA
 <213> Homo sapien

<400> 1959
 cgctgctgtc ggtcaaaatc acttatctgt agagcataaa cgatgacctt gatcatgaga 60
 gaaatggaaa tgagaaaaag ttgaaaaaat gggatgtttg acctaaagaa gaggagcttc 120
 ttttaagaag taacagccac ttttaaggat ttggagttct gtcatgcaga aggatcagat 180
 ttgacttgac cagaaggaac tagggtcagt ggggtggaagt ttaaaagaag cagatttcaa 240
 ttctctttca agataaattt cctcaaaatt gtgaaaatag aatgagttgt tttgggtggg 300
 aggctgttcc tgttcactga caagttgggg attctagagt agaggaatcg tactgaagga 360
 gaatttgagc taggtgtctt caagttacct ataaactttg aggt 404

<210> 1960
 <211> 405
 <212> DNA
 <213> Homo sapien

<400> 1960
 cgttgctgtc ggaacattta tattgttatt ctttgtggct attggtgtgt ctcacaggca 60
 aaagttgatt tggttaaaat aggtcagat gtatttgctg gcccgctgt gtgtgtgtgt 120
 gtgtgtgtgt gtgtgtgtgt atgaaagaga gagagacttt gacgggtgta gatatttttt 180
 gcgctttgcc tactatatga gtgataatca tgtgtttact aacaagtcga tgacctggct 240
 gtattcataa taccatttaa tattggcgtg agtgttctcg cttgacaaaa agaggcctcc 300
 cctgcttctt tcaacaactg tcacagagtg ggtgggctga aagctctgcc cacggccctg 360
 ctattggcga gagaggtctt ttgtgggagc ggtgtctctg gcgtc 405

<210> 1961
 <211> 416
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(416)

<223> n = A,T,C or G

<400> 1961

cggttgctgtc	ggttaaaata	gccccctgat	gagccaggca	ctctgaggga	acacagatta	60
tctgagtctg	aacacgccag	acttctccac	aggtttat	tggagtggaa	agtatgcaga	120
acacaaatta	naaaattcaa	tcttttgaga	gattaaaata	gggaaggcta	ccactgaatt	180
tctggaattg	cttttcaggt	ccaaacgtta	tcttaacctt	aggcaagctc	tctggccagc	240
cacacccatc	cctggtaaat	gttgtaggac	agagaccccc	cccagagccc	tgttgccccct	300
tctgtcatg	tttctcacct	tccatgcccc	agtaaactgt	tgaaccaga	gaatgggtca	360
gggaagcccc	atccccactcc	cctgaaaata	tctgggagac	tcttggtgta	gggacc	416

<210> 1962

<211> 409

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(409)

<223> n = A,T,C or G

<400> 1962

ggcacgagca	ncnnchnaag	taagaggagc	aaacaaaatg	tatcaatttc	agccgaggtt	60
ttctagggca	aacactagaa	tattgtacct	tttgtacct	gataccttat	caatcaatat	120
atattactga	gcacttcgat	gcaaggattc	catcacctcc	ccaacatgtg	atatagaata	180
gaagcaggt	aatgtttact	aaatgaaggt	acacagcggt	cttttgagga	ggaaatagac	240
tctggcctcc	agccatggaa	taattttatac	tgtctcttgc	taacatacct	ggagccgttt	300
cctcattttg	tgatccaaag	agtaaacatg	taaaaccagc	caatcttagg	ttatatctct	360
gccatcctag	agagtaagt	ctccaggaca	tcagagtaag	aagtctgga		409

<210> 1963

<211> 408

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(408)

<223> n = A,T,C or G

<400> 1963

cggttgctgtc	ggcgtgtgtg	tgtgtgtg	cgcgctg	tgtgtatgtg	tgtgtggtg	60
gggagagaat	gcacaaacac	tcgaggtggt	ttgtatattt	gactggtgaa	tttcatagtt	120
gtttttctgg	ggttacttan	aatttgagag	tccgtgagaa	gcattaggaa	gaacattact	180
gagaaaaaag	gaggggtggg	aagccccctag	acttctcccc	gagggatatcc	ccgctgcagt	240
cttcttttaga	tgtttggtt	ccccagtcct	cttggtttga	ggcgtgat	aaattcagcc	300
tctcatat	ttaaaaatat	cggttgaa	cctgctatat	tctaggcacc	gaggagacgg	360
cagtgagcag	acgagaatgc	ctgctcttct	ggagccacag	aaaataca		408

<210> 1964

<211> 404
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

<400> 1964
 tggcgacaag attgaagcta ggtctcaggg gtctccagtc ctccttcatac agggccaccc 60
 cctgcagtat tgagcaccag ctgggccctc tagggagaga ttgacaacag cccggaccct 120
 gcggcctgcc tattccatct gaatgtcgca tcgtctgttt ctcactaggg gccgcctctg 180
 tcatctcact agacatttga ggaacctcct gcctgggccc tctgcttctc acaggacagg 240
 gacactgaac tgcgtcagcc tcagctcacc cctccttagc ccaaggtctt cctcatgctt 300
 gccacctact agtcatactg gcctttttaga tccttgaagt gttgttcaaa tccccggatc 360
 attgagtcct acccccagcc ctctgctgcg gatcactcct taan 404

<210> 1965
 <211> 411
 <212> DNA
 <213> Homo sapien

<400> 1965
 ggcacgagcc ccggttgccg atgatttttc taattctgca actgcctgga gcgcggggcat 60
 gatgacagag gaacgggtcat tgatgatgca tccttggagc acctgggagc caggtctggc 120
 tccttggact gtatcttccg tgctccagtg ggagtacaga ctgagagggg gaagggggcg 180
 gggtagagat gcaccccatg tcggtatggg aatcactcta cctctcattt ccttcaatct 240
 ttcactccta aaatgtctag taaacctttt agtctgttct attctgcatt cattcccttg 300
 acttttcagcc cttgtaattc acattgtttg gctgggatca ctgccttcac aaaaggaaaa 360
 gacttctctc tgtgaagaga tccttagtat actacttgaa gaaccgcgaa g 411

<210> 1966
 <211> 416
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

<400> 1966
 ggcacgagtg acaaagactt cagtttagatc ttcattgaacc tccagtttcc cagtgcgtac 60
 agtgggtaga tgaagctaaa ctaaaccaaa tgaggcggga aggcattcgt tatgctagaa 120
 ttcagctttg cgacaatgat atctacttca tccttagaaa tgcattcat cagttcaaaa 180
 cagtttcggc ggtgtgcagc ttagcctggc atataaggct taaacagtac caccctgttg 240
 tggaagccac tcaaaacaca gaaagcaatt ctaacatgga ctgtggttta actggaaagc 300
 gagaattaga agttgactcc caatgtgtga ggataaaaac tgaatctgaa gaagcatgca 360
 cagagattca gctgttaaca actgcttcat catctttccc acctgcatca gaactn 416

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<210> 1970
<211> 407
<212> DNA
<213> Homo sapien
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<400> 1970
ctcggcacga ggcgaggcca tgtggacccc cacacctttg gggccggctg ggcaaacctt 60
gaacccccaa tttctgctg **gcctttggct** **gccttccttc** **tccaaggcgt** **gactcttact** 120
ccagagactc aggcgagcac gtgtccctta ccttattttc tctcaatcaa actgaaaccc 180
attgtgatcc cccatagtc agtgcggtct ctgttattat tacgggtgtc tcccttcctc 240
cccgtgccca ggacaggcca tgagccagag atacaagggg cccacgcaa gatgcagggc 300
tctctgctcc tggtctttta tcgtcgtcgg gacacccttt gtccaaactc aaggaatccc 360
gggaggtctg gctttgccgc tttggctggg actcaggtac ctgggcg 407

<210> 1971
<211> 417
<212> DNA
<213> Homo sapien

<400> 1971
gggatttggt ttcggcacga ggggtgatgc taggatggtc ctttatatgt gtcctggcct 60
ctgcaggctt agggggcagt tttgaaaatg aggggaggaa gtgcttctgt ctgcacttg 120
ctgggtgctg gacactgggc cgagcaccag tccctcctct tccctgctaga tgctgagtc 180
ccattttaca gatgagcaaa ccaaggctca gagatgcggg gtcactcatc caagaccaca 240
gatcagaggg agccttgccc tgaagtgctt gctgggctgg ccaaggccct ctctggaccg 300
ctgtacttca ccactgctcc cccaagccca gcctgtgccc ccttggtcag accccgctg 360
gccctctggt ttggaaccca tgggaagaca gacctcatgt gaagggggct tcccaag 417

<210> 1972
<211> 417
<212> DNA
<213> Homo sapien

<220>
<221> misc feature
<222> (1) ... (417)
<223> n = A,T,C or G

<400> 1972
nccggcacga ggcgggaaccc tgctcagtc tgccgggcac tgcatgcagg gaccgtccgc 60
ctgacccaga gacctggggc tgcctcacc tctctccaga cccacagcca gctttgttc 120
ttgaatgtgg aagatgtttc ttattccctg aagaaagggg gcctgccaca cacagcctgg 180
gaggcgctc atccagaaac tgggacttgg ctagcccggc ctggggccca gggacttctc 240
actggtcatg cttctgaagc tgctcacctg gccgagggag gtcccggcag tgtcccaggg 300
tggaaggtgg gggngngnnn nnnntgnnt nnnttttnnn ntgtntttt gtggtgttg 360
nnggnttggt tnttgtntt ttgttaggcg aggggtggtt ttgctttggt ttgggtg 417

<210> 1973
<211> 409
<212> DNA
<213> Homo sapien

<400> 1973
cgttgctgtc gggttccttg gtggaathtt ttgttctctg ctgtactgt aaaaacgaaa 60
tgagtggctc tgctcagggt ccaatgatgt ccccaaatgg ttctgtgcct cctatctatg 120

tgcctcctgg	atatgcccc	cagggtattg	aagacaatgg	tgttcgaaga	gttgtcgtgg	180
tccctcaggg	accagagttt	caccctggta	gtcacacagt	tctccaccgt	tctccacata	240
ctcctctacc	tgggtttcatt	cctgtcccaa	ctatgatgcc	gcctccacca	cgtcatatgt	300
actcaccgt	gactggagct	ggagacatga	caacacagta	tatgccacag	tatcagtcct	360
cacaagtcta	tggagatgta	gatgctcact	ctacacatgg	aagggccag		409

<210> 1974
 <211> 412
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(412)
 <223> n = A,T,C or G

<400> 1974						
tgacaagcca	ctcnggattt	cagcagagat	cccatcgatt	cgcagtaaca	ctggactgga	60
tcggtacact	cgggttcaag	tgtggctgcc	gggaactgcg	ttccaccaa	tacatctctg	120
acggtcaggg	caccagcatc	agccctctga	aggagctggc	gtgtgctgac	gagtgccttc	180
ccctgccagt	gctccctaac	tggattggag	gaggctatgg	aacaaagtac	tggagcagga	240
ggagctccca	ggagtggcgg	tgtgtcaatg	acaaaacccg	gacccataga	atccagctgc	300
agagccaaga	tggcagcaca	cgcacctacg	aaatcacagt	agtcactgcc	tgcaagtgca	360
agaggtacac	cgggcagcac	aacgagtcca	gtcacaactt	tgagagcatg	tn	412

<210> 1975
 <211> 408
 <212> DNA
 <213> Homo sapien

<400> 1975						
ggcacgagag	agagagagag	agtgtgagtt	tgagagagag	agagagagag	agagagagag	60
agagagagag	agagagagag	agagagagag	agagagagag	agagagagag	agagagagcg	120
ctctcacaca	cgcgcggggg	ttttgtgttc	tgcgcctccc	tctctttttt	gtgggggggc	180
gctctctctg	cgtccctagt	cactctcacc	cctctctgtc	tttttttgtg	ggcagacgct	240
cccacacaca	ctgtctctct	ctctctctgt	gtgcataat	atttctctgt	accgagcggg	300
tgtctctttt	ttttctctct	cctaaaactc	tctctttccc	gctctgtgtt	tctctctctc	360
acacacacac	acacagaggg	gggtgtatct	ctctctctct	ctctctct		408

<210> 1976
 <211> 423
 <212> DNA
 <213> Homo sapien

<400> 1976						
ggcacgaggg	ggctatggcg	gaaacaaaag	gagatgaggg	caggggcact	tttaggaagg	60
actgaggctg	ctggcagtg	cacatgactg	ttgagaagaa	gggaatttgt	tagcaagtgg	120
ttacatttag	taggaaaagt	gttgagggca	tgggtttgga	ttaaaggagg	gagtgaagaa	180
ttgaggagga	agtggaaatt	gggcaaaaca	ttccttttgg	aagtttggat	ggtaaaagga	240
agtgtagggt	agaacaaagg	taagtctgag	aggtaagaga	gaaggaacac	actttgggct	300
tggcctgaaa	tgagagggaa	tgaggaaaac	tgggtagagg	gcaaggatgc	tccagcctgg	360

<221> misc_feature

<222> (1)...(407)

<223> n = A,T,C or G

<400> 1980

ggnacgaaaa	aataccaggc	ccagggccta	gcaatgtatc	ttcaggaaaa	cggcattgac	60
tgccccaat	gcaagttctc	gtacgccctg	gcccgaggag	gctgcatgca	ctttcactgt	120
acccagtgcc	gccaccagtt	ctgcagcggc	tgctacaatg	ccttttacgc	caagaataaa	180
tgtccagagc	ctaactgcag	ggtgaaaaag	tccctgcacg	gccaccaccc	tcgagactgc	240
ctctttctacc	tgccgggactg	gactgctctc	cggcttcaga	agctgctaca	ggacaataaC	300
gtcatgttta	atacagagcc	tccagctggg	gcccgggcag	tccctggagg	cggctgccga	360
gtgatagagc	agaaagaggt	tccaatggg	ctcagggacg	aagcttg		407

<210> 1981

<211> 419

<212> DNA

<213> Homo sapien

<400> 1981

ggcacgagga	ttcctgggtt	cagagcgttc	aaaagatgat	cttcagctaa	gacttacgag	60
agcagaaaat	agaataaaaac	aacttgaaac	tgactcctca	gaagaaatat	cacgttacca	120
agaaatgatt	cagaaacttc	aaaatgtatt	ggagtctgag	agagagaact	gtgggcttgt	180
cagtgaacaa	aggctaaaaac	ttcagcaaga	aaataaacag	ttacggaaag	agactgagag	240
tttaaggaag	attgcccttg	aggctcaaaa	aaaagccaaa	gtaaagatca	gtacaatgga	300
acatgaatth	tcaataaaag	aacgtggatt	tgaagttcaa	ttgagagaga	tggagacag	360
taatagaaat	tccattgttg	aactgaggca	tctcctagcg	actcaacaga	aggcagccc	419

<210> 1982

<211> 415

<212> DNA

<213> Homo sapien

<400> 1982

cggtgctgtc	gtctgagtct	ggcgcggtatg	ctatgggcag	ccaggaggtg	ctgggccacg	60
cggcccggct	ggcctcctcc	ggtctcctcc	tgacaggagt	gtttcggttg	atcaccttg	120
tcttgaatgc	atttattctt	cgttctctgt	caaaggaaat	cgttggcgta	gtaaatgtaa	180
gactaacgct	gctttactca	accaccctct	tccctggccag	agaggccttc	cgcagagcat	240
gtctcagtgg	gggcacccag	cgagactgga	gccagaccct	caacctgctg	tggctaacag	300
tccccctggg	tgtgttttgg	tccttattcc	tgggctggat	ctggttgacg	ctgcttgaag	360
agcctgatcc	taatgttgtc	cctcactatg	caactggagt	ggtgctgttt	ggtct	415

<210> 1983

<211> 407

<212> DNA

<213> Homo sapien

<400> 1983

ggcacgaggc	gtcttctcgc	cgctgctctt	cgtggcccaa	cgccccaatc	cttgctgtgtg	60
cttgacgtcc	cacccacac	tcagccttgt	gtccctcgat	ccagtctccg	acttccattt	120
cccaccctaa	accgcctacc	cggtgtctgt	tccccgcccg	gttgctctcg	cctgtctgcg	180
ctgagtgctc	cctgttagcc	tcgaccccat	ggcgtgcag	acgctgcaga	gctcgtgggt	240

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gaccttccgc aagatcctgt ctcaactccc cgaggagctg agtctggctt tcgtctacgg      300
ctccgggggtg taccgccagg cagggccgag ttcagaccag aagaatgcta tgctggactt      360
tgtgttcaca gtagatgacc ctgtcgcgat gcattcaaag aacctga                      407

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<210> 1984

<211> 411

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(411)

<223> n = A,T,C or G

<400> 1984

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ggcacgagcc gactgtggag aagtgtccgg tgtagccccg ttacaggaat gtgtttctga      60
tcatctgaat cttaatcatg tccaactgcc tgcaaaattt cctgaaaatt acaagcactc      120
gtcttctatg ttcaagatta tgccaacagt taagaagtaa aaggaagttt ttcggaactg      180
tgccaatatc cagattgcat aggcgagttg tcattacagg cattggctta atgactcctc      240
ttggtgttgg aactcacctg gtttgggata gtettatcgg aggagagagt ggaattgttt      300
cactggttgg tgaagagtat aagagtatcc cttgcagtgt tgctgcttat gtgccaagag      360
gtagtgatga aggtcagttc aatgaacaaa actttgtgtc caaatcagat n                411

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<210> 1985

<211> 414

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(414)

<223> n = A,T,C or G

<400> 1985

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gctactctct ctttttgccg atcnnnncat gagattcggc acgaggggggt tcagaggggt      60
ttcattcaat caatcctccg aatccagaga tttagacca gtcgtccgta ttaggactgg      120
agggggggtca ataggttcag tgtttgagat gccaaaggaa cctgtctttt gatattgggg      180
tcaacataca gaggtagcag tcaccattat gctcaaagcg gtgatcctga ttggaggccc      240
tcaaaaggga actcgcttca gacctttgtc ttttgaggcg cccaaaccat tgttttctgt      300
ggcagggggtc cctatgatcc aacaccatat tgaagcctgt gccaggtcc ctggaatgca      360
ggagattctg ctcattggct tctaccaacc tgatgagccc ctcacccagt ttct                414

```

<210> 1986

<211> 413

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(413)

<223> n = A,T,C or G

383

<400>	1993								
ggcacgagcc	tcggcctcct	aaagtgcgtgt	tattacaggc	atctgccacc	gcactcggcg				60
tatccctaga	aatcctatga	tagcatgatg	tataggcacc	taaaggcatg	gcacttgaga				120
aatgtgaata	ataatggtcg	gtctctcctc	atgggttcggg	agagggaaac	agtctcacc				180
cctaaatgtc	accttgaatt	acagcatgtt	atataagcac	atcctggccc	ttccttgaat				240
gggggatcttt	ctttctcacc	aaatatlgat	ccttttccct	tcagagaaca	ttgctctttt				300
tgtcttcccc	ttaggaattt	tactgattcc	ttaaatttaa	aagggcgtgt	tgtaaccttt				360
atgtcccccq	ccccctcaca	gagttggtgc	gtctgtgatg	g					401

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<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G
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<400> 1994							
ggcacgagac	caagaacact	tcagtctctc	taaggatgcc	ctgagctacc	tactgttaa		60
aggacgacat	caacacagaa	tgcactaaac	aggaaataag	ctgtaatcta	gagaatttcc		120
attatgtgtt	acttttttgt	gactaacatg	gaatgttgaa	aaggaagagc	tggaaagctc		180
agttgttttc	cttgttcttc	tgacattgtc	caggcaagag	ggcatcctga	tcagatgagt		240
agatttggtc	gagaaaaacc	ctagagtaag	gcaggcactt	tgtggaggtg	gatgatgatg		300
gctcataaaa	acgtttgttc	tcagtcagtc	tcagggctct	gccagcagtc	tttcagattt		360
gaactgctta	nacaaacctt	acaga					385

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<210> 1995
<211> 396
<212> DNA
<213> Homo sapien
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<400> 1995							
cgttgctgtc	gggagtgag	actgttattg	tattgtgttc	ttgtgcaaaa	aaaccccagg		60
tgtatcatgg	gaatacatct	ttgaccttgg	acttccttgt	gtcctgctgg	cagaggtcac		120
tagttttgac	acctgggtgag	agatgtgaag	tgttccttta	tttacttata	tttattttatt		180
tattttatttg	aggcagggtc	ttgctctgtc	acctgggctg	gagtgcaggg	gtgcgatcat		240
ggctcacttt	accctccaac	tcttgggctt	agacagccct	gctacctcac	cctcctgagt		300
acttaggaca	ggagacgaac	cgcaccatgc	ccaccccatc	ttattatgat	tgctttttatt		360
tccagaacat	atccccctat	gaggcgacag	tcgccc				396

<210>	1996
<211>	383

<212> DNA
<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(383)

<223> n = A,T,C or G

<400> 1996

ggcacgaggc	tttacttttc	aaacatgact	attcattggc	atcatgtgag	ttttttgttt	60
gttttaatac	tgagttctcc	cctcctccca	gtaagtctag	gtgtgggtctg	tgaatcatta	120
ttttaataaa	atgttatggg	ttggctgtgt	ccctacccaa	atctcctctt	gaattgtagc	180
ttccataatt	cccacatgtc	atgggagggg	ccccgtggga	ggtaattgag	tcatgggggc	240
aggtctttcc	catgctgttc	gcatgatagt	gaataagtct	catgagacct	gatagttttg	300
taaaggggag	ttcccctaca	caagctctct	tgccctgccg	catgtaagat	gtgactttgc	360
tcctcattca	cttttagctg	nga				383

<210> 1997

<211> 388

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(388)

<223> n = A,T,C or G

<400> 1997

cgttgctgtc	ggagtcattc	tgccatagata	ttggagctaa	aatacattgc	agaaatttgt	60
tttagactag	tctcttatgt	agattgtgtg	ggtttatgta	gaacattttg	tgttcagaat	120
gcttttatta	accttcttca	tggtactctt	gagaggctgt	ccttatctct	tactgatgat	180
tagactgaga	caagtggaaa	gtaaagggtta	gacaagatgt	aaagtgtgtg	gtttgagctg	240
tgatgagcac	actagggagt	tccagatacc	agtttgatgc	ttattcaacc	atthaggtta	300
tcggtctgcg	agtttgtttt	ctgcagtgtg	tgcataaacta	gtgtttttgtc	ctcttagagg	360
atactctggg	gacattcttg	agtttttn				388

<210> 1998

<211> 399

<212> DNA

<213> Homo sapien

<400> 1998

cgttgctgtc	gaagagctct	ggcgggttaca	gacactgcag	gaggtggccc	tccgggtggc	60
aggtgctcct	gtgggacccg	cctgctttgt	tcccaccagt	gcccattgtg	ctgtaagaaa	120
tcataacttg	gccgggcgcg	gtggctcatg	cctgtaatct	cagcactttg	ggaggccgag	180
acgggctgat	catgagggtca	ggagattgag	atcaagacca	tcctggcggc	tgggcgtggg	240
ggctcacgcc	tggaaatccca	gcactttggg	aggtcgaggt	gggtggatca	cgaggttggg	300
agatcaagac	catcctggct	aacacggtga	aaccctgtct	ctactaaaag	tacaaaaaat	360
tagctggggc	tggtggcggg	cgctgtagt	cccagctac			399

<210> 1999

<211> 398
 <212> DNA
 <213> Homo sapien

<400> 1999
 cgctgctgtc ggtaaactgt cagaggaata aagcccgaaa aactacctac cagtgggtct 60
 ctagctgggtg gaattgtcag tgattttaac tttagctgct gagtcttttt gtacatatcc 120
 aaatttttaa aataatgaac tcccacaact ttaatcataa gacatgattt aacataaatt 180
 tgacatcatg acatgccaga ttgaaactgt aatggggccag atggcacgtt tttacattgt 240
 ctcttagctt ttgccctata atcccaatag caagagtggg gagagagtag aaataggatc 300
 ttggagaggg actttgacga aattgggagg agatgaaaaa gccttgagtg ctggcaaagg 360
 aaacacataa gtgtcgggta tggttaatgt cagaaggt 398

<210> 2000
 <211> 400
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 2000
 ggcacgagga gagaacccag ttctaggtac tgtctgggcc tgggaggcga gagcagtgcc 60
 caggggactt ctgggcttac aggacagcgt gtgtgacaaa attcacatct acctgaactt 120
 gcctctggag atgataaagg ccaaaggagc agtcaggagg gggcggtgag ccagagtagt 180
 cccaggggga gacagattcc tccctcctcc ccgcctgcag ctctctttta ttttttggta 240
 catttgagga gacgtccgtc ctgtcttgta gtctttttat tttgtgcac cttataattg 300
 tattctacaa acaattttgt tttctgcatt taaacatttt tgtgttttta ggagatggtc 360
 ttgctctgtc actcaggctg gagtacagtg gcacaatcan 400

<210> 2001
 <211> 402
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(402)
 <223> n = A,T,C or G

<400> 2001
 ctagtctcga ggantttttt ttattttatt tttggtcccc caaagggaaa attttttttt 60
 tgccttttaa aaaaaaaaaa agccccaaaa actttttttt tttttccccc gggaagggga 120
 gttttttttt gggccccggg ggggttaaaa acccggggaa aaaaaaaatt cccccaccca 180
 accgaaaatc cccaaaaaat tgggaaacag gggggccccc cccccccccc cccccccctt 240
 taaaaaatat taagaggggg gggcccaaat ttttccccgg gcggaattta aaaaccgggc 300
 cccaaaggaa ccccccggtt tccaaccctt aaaagggggg gggaaaaaag gggggcccca 360
 aacccccccc ctttaaaagg gaaaaaattg gggaccccc ct 402

<210> 2002
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 2002
 ggcacgaggt gacaactgat tgggccttgt aggtatgatt ggatttagcc aggcaattaa 60
 ataggaaagc agatactcat gacagattaa aacagcttga gagaagtgaa atgagcaagt 120
 gtaagacaat tgatactgtc catggatttt agaaagtgtg aagtggagtg attgtgatga 180
 agcttgaaag attgcctggg gccaggctgt tgaaggcttg gtttgcttag ataagtcaaa 240
 tgcagtagac aatggatagt catcacagat ttttgtacat gggacttcac ataccttaat 300
 tgaatatcca tcgtgtacaa aatattgctc aagcaatgta ggaatcaagg gaataaaagc 360
 ttattctgat attatagagc atataacagc catgtaaata tg 402

<210> 2003
 <211> 401
 <212> DNA
 <213> Homo sapien

<400> 2003
 atcggcaccg agcctgagac ttagaaaccg cttatttgtt taaaacccac ctttaagagct 60
 cacaccatta gggagaagca ccatgctgaa tcatttcaca gttttcaact ctgggaaata 120
 atggagagag tttaaaaatg taaaacttca gctatttttg ggctgaactt gcttacttga 180
 aaaatctggt gctaggcaca tatacttgcc tctcctttgc gaataccact ccaatattat 240
 tctttactat tcagatccaa gcttcatgat ctacttgatc ttcattgttct ttaaaacatt 300
 cgaaagatgt caactgagag aaacatttca gaggggggag gcttttggca ctggtgataa 360
 acatccctcc aagagaaccg cctgggggttc tcttctatatt g 401

<210> 2004
 <211> 400
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 2004
 ggcacgagac aaaatgctct cttgatctta tttgcctcat cttcctcatg gttgtacaga 60
 ggatagcacc ccaccatgcc agcctgactt ggagatatct cctgctgcct gcctgcaggg 120
 agttacccca gttttccaaa acagtcgccc agataaagga ggaaaaggga aaggcagacg 180
 aatggcatgg cttttactaa agaaaagatg ttggcctcat actctatact cagggcttaa 240
 tgaactggaa tctgcataac tcagcagtca acccagaagg gaaatgggta aactgagctt 300
 gttattgcct cggagagcct aagagcacc gcacacttaa ttctactccc tgtctagaaa 360
 agctgtcagg gagtcgtttg gaattgcaat gtagttattn 400

<210> 2005
 <211> 382
 <212> DNA
 <213> Homo sapien

<400> 2005

ggcacgaggt	ggcttggtgc	aaattacatg	caattagccc	tcagacagcc	tgaatcgaga	60
gaattgtggc	aaaacttgat	ggcgcagaac	ctaggcaggc	agccagactc	ctaaacccag	120
tcacgtaaat	ttgctgctgt	aactggatct	tcccaagcca	caagtctgag	aaatgggtggg	180
cactctgacc	tgaccactag	atcttcagga	tattcctcct	aagagaggta	tccttgcttc	240
taagtgaccc	ctaaaacaga	acctaggaaa	ctctcagcca	gataaattag	aaattgattc	300
taaataggct	tgtgcccagg	aatcaacaa	tgcagtaaaa	atatcaggac	aaaagcaaga	360
atacttccca	aagtcagaac	tg				382

<210> 2006

<211> 382

<212> DNA

<213> Homo sapien

<400> 2006

ggcacgaggt	tgggaagggg	gtagtgcctt	agggttggtga	cagaagggac	agacacttgt	60
gcacaggtgt	ctttggtgat	gggggtttttt	tttttataac	ttagtaaaaa	aaaaaaaaag	120
tttgggaaat	tttggttttg	ggaaaagcta	aaacccagggt	taccctgagg	gggcgcaggg	180
ttttctttcc	tgccctttta	atctctttga	aaataaaaaac	ctggcacttg	ttgatgggtg	240
ttccaaaccc	ccttaatttc	caaaaaaaac	cccaagttta	aggctctaat	ggggagggga	300
gggcacgttt	ttgacacatg	gaaacttcct	taaggagggc	ctccctttcc	cctttcccta	360
aaagttttaa	agtgccgttg	gt				382

<210> 2007

<211> 386

<212> DNA

<213> Homo sapien

<400> 2007

cgttgctgtc	ggaacaaggt	aagacacatt	taatatatct	gatcaagtgg	tcttggtccaa	60
aaaatgtcct	gatacatctt	tttaaaactaa	taaatggagg	attgcagact	tactgaatat	120
ggcaggatcc	tttagcatgt	aatactttta	aatggatcca	cactgaactt	ctgctggatg	180
tactggagta	agagtggcca	gatttatcct	ccctcctcaa	acaatgcaaa	aaccagacaa	240
ggtatataac	ataagagttt	ttagacacta	gacaataactg	ggcagtgatc	cctgagagaa	300
aatgaatgag	gcacccctac	aatttccata	gcattctgcc	tagatagctt	ccagtctgta	360
gtctgcagga	aggagatcca	aaacag				386

<210> 2008

<211> 397

<212> DNA

<213> Homo sapien

<400> 2008

cgttgctgtc	ggaagaccaa	ggactaggag	tgtgagaaaa	attgatcctc	aggaggaaga	60
ctgcaatgca	tttagcagga	aagagtaatg	tttcttaaga	aaaaaatgaa	acaatgaaaa	120
tccactaaaa	tctgtctcaa	ggataaatatt	ccatgactct	acagggtcta	atgctgtgta	180
catatataga	cttctgataa	gcagtttgaa	ttatatgggt	cagagaaatt	tccaggatcat	240
aggactttct	tttaaagtaa	aataaatagg	ccaggcacgg	tggcttattc	ccgtaatctc	300
agcacttttg	gaggccaagg	caggtggatc	acttgaggtc	aggagtgtga	gaccagcatg	360
gccaacatgg	tgaaaccccg	tctctacaaa	aataactt			397

<210> 2009
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 2009
 ggcacgaggc tatcaatgta agatacatac tcagatTTTtg aagactagta ttacccaaaag 60
 aatgtaaaat atcacattaa taattttata ttaattacat gttcaaata ga tattttggat 120
 atactgaatt aaaacattaa aattagttct acttgatct ttttactttt ttaatgtggc 180
 tagaagaaaa taaaattata catgtggctc agattatatt tctattggac agcgctgctc 240
 tagaacatta tattaagtgg ttattattga agtagaccaa agtttatacc ataaggatat 300
 ttttccttaa ataccatgtt tgaagaacaa ttatttattg atccttgaat ctgtaagatc 360
 aaataacaag tctctatcca tgttaccaa tttaan 396

<210> 2010
 <211> 394
 <212> DNA
 <213> Homo sapien

<400> 2010
 cggtgctgtc gattttttcc tggagagcct tatcatgtat tttatatgct tatgtggtgg 60
 tggatgacat catggaccat atagctttta tagagaattt ttctcaccat agaactgagg 120
 tctcaccagg tgatctacta tgcaaatcc tacagtttct tattcttaag aaataagggc 180
 cgggcacggc ggatcatgag gtcaggaaat tgagaccatc ctggctaaca cggtgaaacc 240
 ctgtctctac taaaaatata aaaaaaatta gccgagcatg gtggcgggca cctgtagtcc 300
 cagccacctg ggaggctgag gcaggagaat ggtgtggacc caggaggcag agcttgacgt 360
 gagccgagat cagccactg cactccagcc tggg 394

<210> 2011
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 2011
 gtccagttgc tgacggactc actttttacat ggtcagcttt cagagaataa tcacagagat 60
 gttagcagat ttaggggcac tttaaagctt ttgttgcgat gtttttcagg cttacaccaa 120
 ctttcgcatt catagaatgg tgggacctca aggatgagtg aggagagaag gattcagtgt 180
 attttctgaa aaattattca ttacctatag ctgatacgac cagtgccagc catgaattac 240
 ctagtcccca tgcattgaca gctgatttac attcttgcgc cagctcctta tctcatagta 300
 gatcaggcgt ttgagtagca tagcattagc ttatctgttt ttttaagatc aatagaactc 360

aacaaaggac gatagaactg tataccccag tcaatn

396

<210> 2012

<211> 385

<212> DNA

<213> Homo sapien

<400> 2012

ggcacgagag	tgagtctatg	tattagggat	aacagaagga	aatcaagcac	aaacttgctc	60
tttatattaca	ataaactcca	tacggaat	gaattctaaa	gttaacaaat	caatgaactc	120
catgtaaaat	agtctttaca	tggaataatg	gaaaacaatc	gatggtcctt	ttcttaaaaa	180
ccaatttttc	cccattgtaa	tacctttttt	tttttttaaa	agaaaatctc	gctctgtttc	240
cagggtgga	gggcaaccat	ttccatgtaa	tatgtacttt	ccccgaggac	tgccagaact	300
cacttgccat	tttaagggaa	tagaacccca	ttgactaaac	acccttccaa	acacccccgg	360
gatcaatact	ttgtatcctt	caatc				385

<210> 2013

<211> 402

<212> DNA

<213> Homo sapien

<400> 2013

ggaaacgaag	tttttgggag	aaatccgttt	gataaagcct	tggcgggcttc	gagggtcatgt	60
gttgagcctc	tggtgcatg	aacaaaagcg	aagcccgcct	tcatggagct	tctgtgaaga	120
gcaacaggaa	cacaggcagt	ccagtcgtcc	tgagatactg	ggaggagcat	ggttgctttt	180
gaacacgtag	gagataaaagc	ctctctaata	atgcctgttt	ttttttcctt	cactctgtct	240
cccaggctgg	agtgcagtgg	cacggtgtcg	cctcactgca	acctccgcct	tctgggctca	300
agtgattctc	ctgccccagc	ctcccaagta	gctgggacta	cagggtctgtg	ccaccatgcc	360
tgtctaattt	ttttgtattt	ttagtagaga	tgaagggttt	aa		402

<210> 2014

<211> 397

<212> DNA

<213> Homo sapien

<400> 2014

ggcacgaggg	acatggctct	gctgggcaaa	gcaaggacgg	gcacatccaa	cctatgcggt	60
ccatcagggg	cactcacatt	tagaaggggg	gagtcttatt	tagcccaggg	gctgggggca	120
ccatggtaat	gtagaaaaag	gggccagcgc	ctccagaaaa	tgggacccca	ggcctggctc	180
tgctccttct	gctgtgtgat	tctggttgag	tggccttccc	tttgagtcct	ctggatgaag	240
ctaaggagaa	gtcttggggt	ctcaagtagt	cactattcag	actctcgctt	tcagagtatt	300
tataggagga	aaggacacat	aaggataggg	ctggtgggact	tataaggccg	tgtgtttgcc	360
gccaccccat	ttgctcccag	ggctgggtgt	ttgtctt			397

<210> 2015

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 2015

ggcacgaggg	gaccctgctc	gcccagatgt	gctcctggac	atttgcccag	cgctcctactg	60
agcaggaact	gagggcccgt	aaagcagcac	ggccaggggg	acgtgaacgg	gctcgcctgg	120
caactgccca	ggacaaggcc	cgctccaaca	aagggctcct	ggccttgnnn	nnnnntann	180
tgngngntnn	tgggaagttg	agtggtaggt	tntaacctat	acaggtttct	ttactctgtc	240
tttagctcgg	gcccctccgt	ttttttttcc	ttgaatccga	gacgggaata	ccgtgggctt	300
tctggcctta	tcccacaaat	ataagaacat	tccactgggt	gtctgctttc	cccttgggaat	360
ataggactct	ttcctggggg	cctgtgaggg	cttttc			396

<210> 2016

<211> 392

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 2016

ctgcctcagc	ctttcgaacc	ggtgagacta	caggcatgag	ccacctcgcc	ccgccctgag	60
gatttgtaac	tattaaaatt	agagacctac	cgattattga	ttgtgtcaga	ttgagctact	120
aattcgatac	tcaggggggg	ggatagaact	agtagaaaac	tttggaaaat	gtcatatagc	180
ttaccatttc	gagctttgcg	ttattagata	gtgcatgagg	ccttcctttt	aagaaaatga	240
atcaagggct	gaggtctgta	atagagtatt	aattttaaag	ccaactcttc	tcttgggaagt	300
cctgtcagta	gcatatccac	catatggccc	tttcttctgt	tttctgtgat	tgcattcttc	360
ctatttagtt	ctgtgctctt	agatccttct	tn			392

<210> 2017

<211> 389

<212> DNA

<213> Homo sapien

<400> 2017

ggcacgaggg	ccgctggcta	tcttggggga	gccagctgtt	ggactatgcc	ccactgccag	60
gaaacaggcg	ccggaagggt	ctctgacaag	atctcgcttt	cctagggcgg	tgaaggcggt	120
caaaggctcg	gaagggggcg	tgggagaagc	ggggcagcgc	tgagccatgc	tcgcgaactg	180
tgggtctgtc	tgtgaagaga	cccagtttcg	tgggaccacg	gtggcgccctg	cgctgggagg	240
tgagcttggt	acagagcgaa	aactacaatt	cccagcattc	ctgtggtgcc	agaactacct	300
tgcccgaag	cctgtgagag	atttaccctg	tcttccgcct	ccctcccacc	ggaaaactct	360
gaggacatga	atagtcgcca	ggcttggcg				389

<210> 2018

<211> 398

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 2018
 ggcacgaggc aaagaggagc gagaatcaga tagtggaggt atgatgggac tgggtggctaa 60
 acagagaagg agaggtatat aagatcactg gaatgggaat ggttgttttg gaagtagtga 120
 agttaggaca caaggggtgaa ctgctttggg gtttgatatcc attctgttag ccttttgtat 180
 ttaaggccag cactgaagca gtggaggaaa tgggcaaagt aagaagagag aattctgaaa 240
 tgaagctgac tttgagcagg agtgggaggg aataagctag attatctggg cctccagcat 300
 ctctagacct agaggttttc tctatttctc cttttcactg tgaccagga aataattttc 360
 agaagtaaaa aatctcatct gagactctgc aacaggen 398

<210> 2019
 <211> 400
 <212> DNA
 <213> Homo sapien

<400> 2019
 gttgctgtcg attttaagaa gaaatttaat tgtatttagc tctgtgtctc gcccctttgg 60
 tgtcactctt ctacctcttc catcactata gctaaatatt tagaagtata tcttgacacc 120
 tagcaciaat gttttgggta agtatcttaa aactgatgga tgggtatggc ggggcagcat 180
 ggctcacgcc tgtaatccca gcactttggg aggccaaggc ggggtgaatca cctgaggtca 240
 ggagtttgag accggcctga ccaacttgga gaaaccccg tctctactaaa aatacaaaaa 300
 ttagtcaggg gtggtggcgc atgcctgtaa tctgtgtac tcaggaggct gaggcaggag 360
 aattgcctga acccgggagg cagagggtgc agtgagctga 400

<210> 2020
 <211> 397
 <212> DNA
 <213> Homo sapien

<400> 2020
 ctgctatcgg gaacaatcct tgagggtgag aacgtggatt gattcttgat tgatagtggtg 60
 gattccatta tctgtatttg gcagttatgg cctgctgcgg tgtatagaag cttctttcca 120
 ttcattttcc cgaattttca tactgctcaa ggaacagttg ggggggaatg ggcagaaggt 180
 tgggcacttg agtatttgag ctatcggtaa taactgactt tttagggagc acagatttga 240
 gtagagccat ggtagtagtt agtaccaatg ggtttttgct gcttctactc tttcttaaca 300
 gaaaaagtgg attgtgttca tataggaaag cagttcacag actgtcttcc tgccccctcc 360
 gccaccaagc tggacctaga atcaagtgtg acttttaa 397

<210> 2021
 <211> 391
 <212> DNA
 <213> Homo sapien

<400> 2021
 cccagtctac attgaggtat agtgtattaa aggatctcag gagacttgca gcaaattact 60
 actgcttctg tgcttaaatc agatgtctg agctctaaaa aaaagcactc ctagtaaaga 120
 ctccaattgg gttgttaacc ctttggggcc caaggtttat ccaaccccag agggattttt 180
 tttggctcct ttccttcaag gggaaggcaa aaacggcttt aaagcaatat acccagggtt 240

tcttgattgc	caccaaattgg	cctggacccc	ccaaaaaaaa	aaagaatctt	aaaaaccccc	300
ttttctaata	cctttttaata	aagggggaaa	taagaaggct	tttgccttcg	gaaagtctgg	360
catgttgccc	attactttta	ttttctgcca	g			391

<210> 2022

<211> 391

<212> DNA

<213> Homo sapien

<400> 2022

ggcacgaggc	ctggaggcct	ttcaggtggc	ccagcgtggg	gtcctgtcag	cttcctcttt	60
aggaacccac	cagagggcag	caggctcctt	tcacttcgct	agtaagaacc	cctccgtttt	120
tgtgtgtttt	tgtttttgtt	ttctggagac	aaggtcttgc	tttgtcacc	aggctggagt	180
gcagtgtcgt	gatcaagggt	cactgaagcc	ttgacgctgt	gggcactgcc	tcagccgccc	240
aagtatctgg	gaccacaggc	gtgcaccacc	atgcatagct	aatttatatt	ttgtagagac	300
agggctctcc	tgtgttgacc	aggttggtct	cgaactcctg	ggctcaagca	gtcctcctgc	360
cttggcctcc	taaaagtgtc	gggatcacag	g			391

<210> 2023

<211> 389

<212> DNA

<213> Homo sapien

<400> 2023

ggcacgagct	tagctgagct	tgttgatatt	cttatacctat	gttctgtcca	ctcatggctg	60
ggggccctgc	tcacatacca	tctattctat	gaagctgcgc	ctgagtgagg	cttccttact	120
gcctttgtac	acagtaccaa	acatagtgcc	tagcatggaa	tagatactca	atagatatatt	180
gttgaatgaa	caatgaatga	atatttgttg	aatgaatgca	ttatccact	tgggagcaat	240
ccactcttcc	tctatgcttt	tatatcactt	tgcctctacc	togttttatg	gagctctcta	300
catttaacct	ttatttttagc	taattatgct	ttagatgcaa	ccccttctcc	agaaggctcag	360
cccttgata	ataccgcctg	ggtcaattg				389

<210> 2024

<211> 387

<212> DNA

<213> Homo sapien

<400> 2024

ggcacgagga	aagttttgcc	ttggaagtac	aagaccatgt	cttccagata	ccagccccag	60
attaccttca	gcattggggc	ccagctggag	acaacgttga	tcataatgaa	aaggactgtg	120
ttttcaagaa	ccatactgag	gatgaatccc	tagagggaat	tcagccccca	gtgggggagc	180
atggtttgaa	tacgcccttc	tctgtgagga	gaagctggga	ttcattgaat	gaggatgtgg	240
aaacagaagt	tctaagcatc	tgctttaatg	agaagggctc	tgttcatgcc	atgcctgtgg	300
ttgactcagg	aaacaggcag	gaggataccc	atggctccga	tggagatggg	gatggggaga	360
ttgtggacga	ggatgcagcg	gtggcgg				387

<210> 2025

<211> 386

<212> DNA

<213> Homo sapien

<400> 2025

ggcacgagggc	ggcctcctcc	ggcctcgcg	gcatggcgtc	ggaggggccc	cgggagccc	60
aaagcgaggg	catcaagtta	tcagcagatg	tcaaaccatt	tgtccccaga	tttgccgggc	120
tcaatgtggc	atggtttagag	tcctcagaag	catgtgtctt	ccccagctct	gcagccacat	180
actatccgtt	tggttcaggaa	ccaccagtga	cagagcagaa	aatatatact	gaagacatgg	240
cctttggagc	ttcaactttt	ccacctcagt	atztatcttc	tgagataact	cttcatccat	300
atgcctattc	tccttatacc	cttgactcca	cacagaatgt	ttactcagtg	cctggctccc	360
agtatcttta	taaccaaccc	agttgt				386

<210> 2026

<211> 383

<212> DNA

<213> Homo sapien

<400> 2026

cccttttgga	gagggcagac	ggggaattga	ttttaaatat	tgttttcgcc	tcacaaatg	60
tcaccatcca	gttttagctac	tggtattcac	tggtatttct	caaattggag	tgtcgaatgc	120
ttaggttttt	gaaaaccgcg	gcattggaaa	gctttgatag	gaagtaaattg	ttggagctct	180
tatttctcca	gttagcaaat	gttcgatgcc	tggtatactg	ttaggggtcca	aatgaacaga	240
atagaaaccc	tgctttgaag	gagaaaaaca	ctgaagagaa	actacacgta	attagtgatt	300
actgcgagtg	atagcttagg	aagtgcctacc	gtagtagaat	aatctacagg	ggagtgatta	360
acagtgcctg	ggtaggctag	acg				383

<210> 2027

<211> 384

<212> DNA

<213> Homo sapien

<400> 2027

cgttgctgtc	gcttgccctt	tacagagcca	tgaagcagca	gatgcaaccg	aatactgtgc	60
agcatgagcc	acagacgttt	acgggaagaa	ccggcaggag	gcgccgggaa	actaaagggc	120
tccagctctc	tgagtggtag	ctttgccatt	gtggctgtgc	gagctcagcc	tcctggaaac	180
ccgccctgag	cttggttaac	agcattcact	ccagggttag	cccagctcca	ggttatcgca	240
ggcaggactc	ccgagaacag	gttcatgttt	gctttttggg	aggtgctgcg	ctaaagtgga	300
aaaccaccct	gggccgagtg	ggacctcccc	agctgggcgg	ctgttaacca	gccaggatgt	360
ctgacctga	gaagtcaccg	tgcc				384

<210> 2028

<211> 382

<212> DNA

<213> Homo sapien

<400> 2028

cgttgctgac	ggcggtgga	tggtccttat	attccaaaac	tcacccaag	cctctcctgc	60
aggggtggcc	agagattgat	ccccagggc	tggttaggc	atccctggtc	atgccccaaa	120
ggcctgggt	ctctgctcat	cacacttagt	gtaaggatcc	atttactcat	ctgcctctcc	180
cgcctctctc	ccttctctcc	cctcctctcc	cctcctttcc	ccttctctctc	ctctccttcc	240
ctccccctcc	ctctctgagg	aacttggtcc	agctacagtc	aatatctaga	gaaggatttg	300
gcctagagaa	ccttgctcaa	tcttaagccc	gcacacctgc	cgtacttttg	gatcaccctg	360
ggaaccttaa	catgctgatg	cg				382

<210> 2029
 <211> 382
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(382)
 <223> n = A,T,C or G

<400> 2029
 cgttgctgtc ggcagaacta ctcactaaga actactccct gtttgtgagg attgtacctg 60
 ttgagagaag ttgcaaaaag aattagtc aaagaattagt caaaatttgt cctctgacct 120
 aggtctgaag gacatttaac acattgattg ttctcttcat ccagcctttg agccctatga 180
 gttagtcccc ttagcctttg agtcccacag gtatggagga gctacctgtg gggacctgag 240
 ccatcactat tctgtcttca agttacactg gtgcctctca ctagcactgc tctgaaaagc 300
 cagctggaaa aatcaatgca tttgagtaca taaattcttt ggctccaaag aaatgccata 360
 gcaatattgc ttttaattca gn 382

<210> 2030
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 2030
 ggcacgagat tatgattata gtaaacagac tagtgggtag taatgctaaa ttaccatcac 60
 agttatgtgc catctcccca ccccatTTTT tttttttttt ggatcaccaa aaaaatccgg 120
 gaaaccagcc tgaggggggg ctgaccttgt taggaggggg gcaccaccac agggggggga 180
 attaaccggg accccgggct ccaaaaagac caaaaagggt gcccttgggg cccaccctaa 240
 cctaaaaaaa aagggggccc taactggaat tcggaaacaa gcggatttga aaacaaaaaa 300
 aaaggatttt ttggccccct ttttaacaa gcggccttaa aatttggaaa accccggcct 360
 aaaaaaccta gaaaaaaagg ggagggaat ggagggcaaa aa 402

<210> 2031
 <211> 382
 <212> DNA
 <213> Homo sapien

<400> 2031
 cgtagctgtc gggagggttt gaaggagacc atcagctatt gtgtgatatc agacaccatg 60
 gtgatgtaac ggatttacag ttttttgacc aggaaagaat tgtcgtgct tcatcaacag 120
 gatgtgtaac agttttcctt caccatccaa ataaccagac tctgtcagtc aaccagcagt 180
 ggactacagc tcactaccac acaggccctg gcagtccttc ctatagcagt gcaccatgta 240
 caggtgttgt gtgcaacaac ccagaaatcg ttacagttgg agaggatggt cgaataaatc 300
 tcttcagagc tgatcacaag gaagctgtaa gaaccataga caatgcagat agtagtacac 360
 tccatgctgt aacctttctt cg 382

<210> 2032
 <211> 401
 <212> DNA
 <213> Homo sapien

```

<400> 2032
ggcacgaggt gatcaaggag atggcagctc atatccgtga ggtggagcag agccgacagg      60
aggtgggttcg gtctgtctta gagcctcagg cagtgccaga cccagaagag ggctcttcag      120
cacctagaag ctggaaaggg atgaacagcc aagtagcttc cagcttacag cagccctcaa      180
atttggaact gccaccagct ccagagcttg actggatgga gacaggacca tctctgacat      240
tcattggcca tcaggatata ccaggagttg gtaacatcca ctcagggtgcc acacctccct      300
ggatgatcca agatgaagaa tacattgctg ggaaccaaga aataggacca tcctatgaag      360
aatttcttaa agaaaaggaa aaacagaagt tgaaaaaact c                          401

```

<210> 2033

<211> 396

<212> DNA

<213> Homo sapien

```

<400> 2033
ggcacgagat tctccgggct tatattcatt ctctgcttct ttctcccttc acccgtggga      60
ctctcaccct tcttgtctcat tctccagcac ccattcctac tttagtctct ttgaaatctt      120
ttttggagat tttccttcag ctacaaatgt tccagtacaa ccaatattac tcctgagggg      180
caaagacttt ttcataattta tgtccctagt atctggtatg gcgcctggca tatggcattt      240
cagaatatgt tcatagttga aacagtagga tagatatttg tcatcttgac aagtagccct      300
ttgcaattta tacttgagtt cactcctggc caatggcaca tggctggaaa atgcagaaag      360
caaattcact tacagcctga ggcttataaa gcttgt                          396

```

<210> 2034

<211> 396

<212> DNA

<213> Homo sapien

```

<400> 2034
ggcacgagaa cagaagtgtc tggagtagtt ttcaggatata ggaatgagat gcctcgtggt      60
gaaaggatct caccctggga agatgtggtg cccctccag ggctctggag gatggatgcc      120
tccccaggg gctctccaag ctgggcattt gggcctggtg gatgccaaac tggataaacct      180
gtggcccagc attgactgtc caccagcct tgctgttagg caccatgact ccaagatgaa      240
gatgtggtcc ctgcccttga gtgacagccc agggacttaa tgtggccatc gggcatcaag      300
cacaaggcca tgcaggatgat gatacgtcgg aatagaggca ccagccctgg taactgcac      360
ttctccctt gccaccccat ggccccggct gaaagc                          396

```

<210> 2035

<211> 392

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 2035

```

ggcacgagat catatccagg atgccccaca tacaccaagc caggcagagg gcagctcagc      60
tcctgtccca tctgcttttg atatctttac ccaaaggcag gtaacccgaa gagccagcct      120

```

ccactgcccc	cagagccagg	cccagttgtg	ttggagtata	ggtcaggagc	tgtggaagga	180
ggcagtctgt	gagggactca	tgcttttaga	gtcctcacc	ctcagactgc	tgaggacat	240
tgccaggcct	ctctccactt	ccttcctcag	catacagact	tcagtctatc	ttccaattcc	300
ggggagtctt	agctattagg	gcagtttctg	cttctccatt	ttggggacaa	agggccttgc	360
cagtacaaat	ctagcccctt	gtcccacaga	cn			392

<210> 2036

<211> 389

<212> DNA

<213> Homo sapien

<400> 2036

ggcaccagat	ccttcctcaa	agcatgggtg	ctgagtaccc	agagttgcga	ggagtttttt	60
aactgattta	gccagggtgg	aatcatgagt	gaatggatga	agaaaggccc	cttagaatgg	120
caagattaca	tttacaacaa	ggcccgagtg	acagccagtg	agaagaatga	gtataaagga	180
tgggttttaa	ctacagaccc	agtctctgcc	aatattgtcc	ttgtgaactt	ccttgaagat	240
ggcagcatgt	ctgtgaccgg	aattatggga	catgctgtgc	agactgttga	aactatgaat	300
gaaggggacc	atagagtgag	ggagaagctg	atgcatttgt	tcacgtctgg	agactgcaaa	360
gcatacagcc	cagaggatct	ggaagagag				389

<210> 2037

<211> 397

<212> DNA

<213> Homo sapien

<400> 2037

ggcacgaggt	ggctggcacc	ccaccctgtc	ttctctgata	tggtgctggc	gtagggccgt	60
gggggtaagt	cacgtctccc	cgtgggctca	gggaggcctc	tgcacttagg	gtctgaccag	120
cctccccact	aggaacaggg	tgggaaagtc	tgctcctgag	ccaggagtc	ggctgggagt	180
agcaatgctg	ggatgggagg	tgtgtggccc	tcattgggct	cctctgggaa	gccccagca	240
cagatgtggg	cccactcaga	ggctgcctcc	tggacctccc	cttctgctgg	accccgccgt	300
atgcctcagc	taagcccgt	tttcattctg	ctcagatgct	cagaactcta	gacatttgc	360
tccgcaatta	tatcccattc	tcctggagga	ccaggac			397

<210> 2038

<211> 389

<212> DNA

<213> Homo sapien

<400> 2038

gatactatgc	ctttaacttt	agaccgcagt	atattataat	acatttgata	tctgaaatat	60
ctttactttt	ttaagagtaa	gattccatat	gtctgtctgg	aaggagacca	tggttattca	120
cacgaatata	cctgtcactt	ctccagaggt	gtgaggtaac	taacacgagc	attctttgaa	180
gactctgggc	acatgaatga	tacacagaat	tgaatgttta	aatttccact	ttgagtcctc	240
atgaatcatt	tgagactagc	accagctgat	cttgtgtaca	ggctcagggt	cagtgcccaa	300
gggtccccgc	gtgtgtgttc	tgatcttcag	tgcgtagcac	attctccatt	tataaaagag	360
tggtcagaat	aattgtggac	ggtacagtg				389

<210> 2039

<211> 391

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(391)

<223> n = A,T,C or G

<400> 2039

```
ggcacgagggc gacatttaaat tttagttagt ttacatttaa acagccacac ttgactcgtg      60
agtgccttat tcgacggtgc atctctggag gacttgcctc cttcagcctg acttacaaga      120
aactgtgtct ctacctgagc tccagttggt gagcgctaag gggcaagtgg aaaccagat      180
gaccatcaca tcagccttgg gagcccaaag ctgggcagag ggcttggaag ttggccatat      240
tcattggctgg tatctccatc agatgctgat ttggggccat ctgtgtatgt accctgtgga      300
gttaagtgtc ggtgattcag agcggtatag ttgtgattta cacactcaag aaatgggagt      360
gcggggccang tgtggtgtct cagcctgta a                                     391
```

<210> 2040

<211> 395

<212> DNA

<213> Homo sapien

<400> 2040

```
ggcacgagga acgggggggac ccttagccct caagggagga ccaggaactg ccaggaaacc      60
ccctgtccgt gtcccgaag gggacagcca ggcaggtttg cacagcagga cctccttcca      120
tcctggagag ggaggaggga ggcagctgcc acagtggag taaccttgaa cctcctgtga      180
gtcatggaat ggaagacaga gcagacctca gaccttggag agtcagggcc gccactgagc      240
cagcccacga ggctgtatct gaggggtgag cctggcacca gcggtgtctc cgtgactgcc      300
tgtggcagcc ccgccacacc tcgtgccact cgccttcctg gggcgctccgc gatcgccagt      360
agtgagttcc acgcggcgtc tctgtggtaa ggagc                                     395
```

<210> 2041

<211> 392

<212> DNA

<213> Homo sapien

<400> 2041

```
ggcatgagaa gaagctctgc ttggtactac tattatgaac aacattgtta tttggaattt      60
aaaaactggt caactcctga aaaagatgca cattgatgat tcttaccaag cttcagtcgt      120
tcacaaagcc tattctgaaa tggggcttct ctttattgtc ctgagtcac cctgtgccaa      180
agagagttag tcgttgcgaa gccctgtgtt tcagctcatt gtgattaacc ctaagacgac      240
tctcagcgtg ggtgtgatgc tgtactgtct tctccaggg caggctggca ggttcctgga      300
aggtgacgtg aaagatcact gtgcagcagc aatcttgact tctggaacaa ttgccatttg      360
ggacttactt ctcggtcagt gtactgcctt cc                                     392
```

<210> 2042

<211> 401

<212> DNA

<213> Homo sapien

<400> 2042

```
cgttgctgtc ggctttttgg actgtttctt ataaaatctg ggaagatggc tccagtgatc      60
```

```

attctacata tattgtacaa acactagatt ttcacctggg tcataatact atggttacca 120
aaccatgtgg tgctttggaa agtcctatgg caacaataac caagataaca aggcgtcgcc 180
atgaaaatcc accccatgga gtaacaagtg tgaaagaatg gttcaattat gttacagcta 240
caaggaatga agagctaaat ctgcttcgta atgttgatgc taacaacact gagaatagca 300
ctactgtgaa gaattctagt ttgttgagtg gattcagagg aggttctagc tacaacctatg 360
aaacagagac tatctttgca ttaccaagga tgcagcttga c 401

```

<210> 2043

<211> 398

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(398)

<223> n = A,T,C or G

```

<400> 2043
cgttgctgtc gcggccccctc cccttctccc acagccaagg acagacaggc tgcctggacc 60
tgagcccaac agccttcagc ctcagaaacg catgggggggc cacacactcc ttatatcctc 120
ccacactaag gttccccctg cccccacggga gcttcaggaa agccccccaa gttagccact 180
gctctaggac gagctctgtg tccccacac cacaggcctc gaagcagggg gctgggtgggt 240
gccttgacc ccaatcccag gtcccccttg cccctatatt ttctcgggcc cattggggcc 300
tgtttctcac ctgctggctg gacccccctga agggccggtc ccagaggctc cccaggaggc 360
tcaaggctgg gggcttatgt tgtggtcggn ggtccccg 398

```

<210> 2044

<211> 397

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(397)

<223> n = A,T,C or G

```

<400> 2044
cgttgctgtc ggaaagctct gtgttctttt gccttcaatc tgntggcttc aaaacaaaca 60
ggcaaaaaaa gcttcttgcg ccgttccctc ccttgaaaac ttcctttttc tttttgcttg 120
tatgcacaag gtaggactta cttcgtaaga aacaaaatgc cagtattttc ttaagccatg 180
atgtgaaacc aatgaccctg tgaccacatg gcacagaaca ctaaattttg gtcccatggc 240
tgaaacttga ggggtgactaa aagtaatgcc tgtgaaacat gatatctatc tgggatggcc 300
atgtgatctc taaaaggaat tttgtacact ccacagaact cctatctata gtaaaattga 360
ttttcagttt taaatgtggg caaaaaggca ttctctc 397

```

<210> 2045

<211> 394

<212> DNA

<213> Homo sapien

<400> 2045

```

ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagcctc      60
agcaatagag tgagactgtc tcaaaaaaaaa aaaaaaaaaa acccccccca ttttcaaaca      120
accccgga aaattttttcg gggggcccttt taataaaaaa ccacgggggtt tttacttttg      180
tatttcccc aaccccttg gggcaggggtt tggggggcgg aatttttttag ggccctcaaa      240
aaaatccttt ggggtttgaa aaccgggaaa accggggcat taccctttt tgggaagggg      300
gcaaagcctt ttttttttg ggcctttctt tttttgagaa ggggtcttcc cttgtcccc      360
ctgcttaaaa accctggtgc aaaccgtgc taag                                     394

```

<210> 2046

<211> 397

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(397)

<223> n = A,T,C or G

<400> 2046

```

ccaaaccac gtcaaaaatg gcttgttttc agcgatgtta taaaacaaag gcctgttttt      60
tggaattggg ggtgactggg tggtttgat tgaaatgtgg acaaagatag catgtgtatt      120
ttgaataaaa taaaaatttt gtaataaaac ttttaaaat cagtgtatga aaatcaatat      180
ttaagactat aggctataaa ttgtttgatt tcattaacta gcccttttga tgcctagaca      240
tgttgtaaaa aaattgtgct atggctgcct tttcttctgc ccacaacac aaagggctat      300
ttctacaagg caaagatttg gatatgtgct attctttact tcagattgag agttgngaaa      360
aactggagta aataatgggt ttcttacttg cttanaa                                     397

```

<210> 2047

<211> 400

<212> DNA

<213> Homo sapien

<400> 2047

```

ggcacgagct ctggggctac aggtgaggac aggaggggga gctcccagcc tgagagttgt      60
gacgtgcagt ctaatgaaga ctaccctcgg aggccctaa ccagggccag gacgagactg      120
tcccatgtac tgctggtatc tgagtcagaa gtagccaaaa caaagccacg tcacgccatg      180
aaacggaagc ggacagcaga taaatccact agtacaagtg atcctgtgat cgaggatgac      240
catgtgcagg ttcttgtatt aaaatccaag aatcttggtg gagtcactat gaccaattgt      300
ggaatcacag atctagtgtc aaaagactgt ccaaagatga tgttcatcca tgctaccagg      360
tgcagggtac taaaacattt aaaggtagaa aatgcaccaa                                     400

```

<210> 2048

<211> 401

<212> DNA

<213> Homo sapien

<400> 2048

```

ggcacgaggc tatccctcct cctgttcctt cctccagagg tagtctctgt taccctttta      60
tttgtttctt ttatgggttt ttttgctgta tttatacaaa tcgatgcaca aagaggggtc      120
tcttctctca taaaagtgat tattagtctt cagtgcgcct tttttctcc taacaaatgt      180
aaactgggag cattttccca agtacatatt tataatactt acggggccta tctagtattc      240

```

tgtgaatata	tactgttaat	ttattccttc	ccattgacag	acttaccttg	tttccatgta	300
ttgccattat	aatcaatttg	caaagaaaat	tgctgaaccc	ttgttttttc	actagagata	360
gacattttat	ataataagtt	gttgggataa	gcagttttga	a		401

<210> 2049

<211> 401

<212> DNA

<213> Homo sapien

<400> 2049

gggccattac	ccagccccgg	gccccgggtg	cctctgcgtc	cgtgccaggc	ctcctgatgc	60
caaggccaca	tccccgtgct	tccagtgacc	agaccactga	ccaccctgac	tgtccaaacc	120
tgtgacccca	ggccagggaa	cggggaggaa	accaaagaaa	accattttca	gggagctcag	180
acgtcacagg	agggagcggg	agcaggatgt	ggccctggcc	tcgccagagc	acctgaagaa	240
gcatgccgtg	agcgaggctg	cgagtgcctt	gggcgccgtt	tctcacgcag	tgaatgcttt	300
tccaggcctc	tggtgcttac	tgcaccacac	ctgggggggt	gggagcgtcc	tctaggtgcc	360
cctagttcct	tgtcctgcct	cccagagggg	ggaaaagccc	c		401

<210> 2050

<211> 401

<212> DNA

<213> Homo sapien

<400> 2050

cgttgctgtc	ggctgtctgt	cagtggagat	ggtggtggct	gtctgtcggt	ggagatgggtg	60
ggggctgtct	gtcggaggag	atggtggggg	ctgtctgtcg	gtggagatgg	tgggggctgt	120
ctgtcagtgg	agatggtgca	ctctgactgc	tattattcta	catttcactt	tgcactggta	180
ctagggacta	gatagaattg	accggggccat	tgaggatagg	ctgcttctac	tacgccccct	240
gtccactggg	cagccacttt	tttagacacc	aggtgtgcac	cgggcgcatt	tcctcctcca	300
gcccgtctta	ggatccccac	cctgctgttg	aagggggccc	attcttcaac	gcttcataag	360
acacttgctc	ggagaaacct	ccgttcgggc	cgaaactgtc	g		401

<210> 2051

<211> 395

<212> DNA

<213> Homo sapien

<400> 2051

gccaaacatc	cagaatgtga	tgggacaaga	tgggggcagg	ggcctcacct	ccctgcagag	60
gtccggccag	gtctccttgt	ccctggacaa	tctcctgagc	ctctctgctt	ggtggagcag	120
gcacctgtgt	gcagaattcc	cactgtggcc	agcacgagga	agtcttttct	agtgaaaatg	180
tgtcttgtgg	tcaggaataa	ttatcctttc	ccctgtagcc	accaaggagg	gcaaatagag	240
aaaggtaacc	taattgaagg	attggtcatg	tgaaaagggc	tacatttggg	aagctgggaa	300
aggcctccag	gcttctagag	cagctagctt	gggctggatt	ctcacaccca	ggctgcccct	360
tggattgttc	tacccaagct	tttccctggg	gtctg			395

<210> 2052

<211> 390

<212> DNA

<213> Homo sapien

<400> 2052

```

ggcacgaggg tgtgtctgcc acccgccctt ctcaagtgga gctctgggtc gagagagggg      60
gggggtgaat tttgggctaa ggagcctgct gatgtcactt ttcttgtctt ttcaattatc      120
tgtattggct ttttgattgt caaagtaaaa aaatgtgaag attacaggaa tcatgtcctg      180
ataatagcta cctcatatca agccctcact atgtgccagg caccttctgg ggacttggct      240
gcagttgtct gttactcttc acacaagctc aatgaggcgg tcctgttatt accattttta      300
ttttaagaat gaggagaatg cagcttcaag aaggtgaagca acttgccgac cgtcacacag      360
cttagccgag gaagagccag gcttcacaca      390

```

<210> 2053

<211> 388

<212> DNA

<213> Homo sapien

<400> 2053

```

cgttgctgtc ggcagatcac ttgaggtcag gagttccaga ccagcctagc caacatgggtg      60
aaaccttgct tctactaaaa ctacacaaag tagccaggcg tgatgggtggg cacctgtaat      120
cccagctact cagggagcct gaggcaggag aattgcttga acacagaagg taggcattgc      180
agtgagctga aatcacctca ttacactcca gcctgggcaa cagagcgaga ctcttcttta      240
aaaaaaaaaa aaaaaaaaaa tccggggggc gttttttacg aaaatccaaa ctggataaaa      300
accttggggg agttggggaca acccccacct aaaaggcggg gaaaaaaaagg ctttatttgg      360
gaaattgggg aggccttggc tttattga      388

```

<210> 2054

<211> 397

<212> DNA

<213> Homo sapien

<400> 2054

```

ggcacgagca gaggtgggag gtgatgagac tcaagactac agagagaaga aagggccggc      60
agcccagatc ccagcccac cctcctgcc ctgcattcag gcagagcaca gagggataaa      120
gagggaggtg ggttggggga caaggcagag atgcatatac ctgggacgta cacctgcgtg      180
gagcccagaa ggaggcttct gtccgccaca ctgctagtcc ccagggcccc cttgcaagtg      240
gacatcatgt taccacacat gcatgtgact tggccagagg agacagagtc ttcattgtga      300
ctggaaaaag atccccctct cccggtggat acatttgaca aacaaaaagt gggctggttt      360
tcagcccctg ctcatctcat tggccaata cctgtgg      397

```

<210> 2055

<211> 390

<212> DNA

<213> Homo sapien

<400> 2055

```

cgttgctgtc ggccgcaggt gagcgccgag gtcccgccga gcaggtcggg tcagcccagg      60
ccagtaacct ctgagttacg ggaggagtga tcgctagggt ccaccccggt cccggccaga      120
tctgccagct cccctctctg gcgggtgttc tggtgccaag tctgggagcc caggtagccc      180
tccgcagaca gggcttctcg gcacctcaat gaggacggac gttgatgagg ccatgaatga      240
gatgtcatgt ggcctgtgtt ttggaccgtg gttcgtacct atgctcctta tgtcacattc      300
cctgttgcc tctgtgtcgg ggctgtgggt taccacctgg aatggttcat caggggaaag      360
gacccccagc ccgtggagga ggaaaagagc      390

```

```
<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G
```

```
<210> 2057
<211> 391
<212> DNA
<213> Homo sapien
```

```
<210> 2058
<211> 396
<212> DNA
<213> Homo sapien
```

```
<210> 2059
<211> 402
<212> DNA
<213> Homo sapien
```

<220>

<221> misc_feature

<222> (1)...(402)

<223> n = A,T,C or G

<400> 2059

ggcacgagct	tctctacag	ctacagcttt	cacatatgac	gcagcattcg	ggaatgtccc	60
cgtcacctag	caacagttat	gatacttccc	cacagccttg	cactaccaat	caaaatggga	120
gggagaataa	tgagcgatta	tctacatcca	atggaaagat	gtcaccaact	cgctaccatg	180
caaacagcat	gggtcagagg	tcatacagtt	ttgaagcctc	acaagaggac	ctagatgtag	240
atgataaagt	ggaagaatta	atgaggaggg	acagcagtgt	gataaaagag	gaaatcaaag	300
cctttcttgc	caatcggagg	atttcccaag	cagttgttgc	acaggtaaca	ggtatcagtc	360
agagccggat	ctctcattgg	ctgttgagc	agggatcaga	cn		402

<210> 2060

<211> 395

<212> DNA

<213> Homo sapien

<400> 2060

ggcacgaggc	ggcgggcgca	tctcccacca	gagtcaggac	aagaagattc	acgtgtacgg	60
ctattccatg	gtgagccgca	gccccgtccc	gccctgccgg	aggccccagt	accagcttcg	120
aggcccacct	gagcctgctg	ccctgacccg	tggccccagc	tgagcacgca	ggcttcctgg	180
ggttctccca	gggtcggcgg	cagagccctc	cctccagggc	ccattgtgtt	cctgcattcc	240
cccatggagc	acacgccaga	cctgaggggt	gggacggaca	cccccaggca	tggccggctg	300
tctcctctcc	ctgccttggg	aggccttgct	gggctctagc	tgtcctccag	cactttgggc	360
cctgggcccc	cagaggcagt	cagtacctgg	gtgga			395

<210> 2061

<211> 387

<212> DNA

<213> Homo sapien

<400> 2061

ggcacgaggc	ggcgggcgca	tctcccacca	gagtcaggac	aagaagattc	acgtgtacgg	60
ctattccatg	gtgagccgca	gccccgtccc	gccctgccgg	aggccccagt	accagcttcg	120
aggcccacct	gagcctgctg	ccctgacccg	tggccccagc	tgagcacgca	ggcttcctgg	180
ggttctccca	gggtcggcgg	cagagccctc	cctccagggc	ccattgtgtt	cctgcattcc	240
cccatggagc	acacgccaga	cctgaggggt	gggacggaca	cccccaggca	tggccggctg	300
tctcctctcc	ctgccttggg	aggccttgct	gggctctagc	tgtcctccag	cactttgggc	360
cctgggcccc	cagaggcagt	cagtacc				387

<210> 2062

<211> 390

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 2062
 cggtgctgtc gatgctgtgg ccgaccatcg agccaaagac ttcattcacg attctctgcc 60
 ccctgtttttg actgataggg agagggcact aagtgtttac gggcttccaa ttcgctggga 120
 ggctggagaa cctgtaaacg tgggggcca gttgacaaca gaaacagaag tccatatgct 180
 tcaggatggg atagctcggc tgggtgggtga ggggggcat ttgtttctct attacacagt 240
 ggaaaactcc cgtgtgtatc atctggaaga acccaagtgc ttggaaatat acccccagca 300
 agctgatgcc atggaactgt tgcttggttc ttatccacag tttgtgagag tgggggacct 360
 gccctgtgac agtgtggagg accagctgtn 390

<210> 2063

<211> 401

<212> DNA

<213> Homo sapien

<400> 2063
 ggcacgagca gggcctcttc aacactggca accagagaat gttaaccagg ctttcaccag 60
 acccccacct ccctatcctg ggaacattag gtctcctggt gccctcctt taggacctag 120
 atatgctggt ttcccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg 180
 gatgagacct catggattta gatttggatt tccaggagggt agtcatggta ccatgccgag 240
 tcaagagcgc ttccctgtgc ctctcagca aatacagggg tctggagttt ctccacagct 300
 aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc 360
 agttggactt cctcagcatt tttcaccaca gagcttgcca g 401

<210> 2064

<211> 398

<212> DNA

<213> Homo sapien

<400> 2064
 ggcacgagca gggcctcttc aacactggct tccagagaat gttaaccagg ctttcaccag 60
 acccccacct ccctatcctg ggaacattag gtctcctggt gccctcctt taggacctag 120
 atatgctggt ttcccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg 180
 gatgagacct catggattta gatttggatt tccaggagggt agtcatggta ccatgccgag 240
 tcaagagcgc ttccctgtgc ctctcagca aatacagggg tctggagttt ctccacagct 300
 aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc 360
 agttggactt cctcagcatt tttcaccaca gagcttggg 398

<210> 2065

<211> 388

<212> DNA

<213> Homo sapien

<400> 2065
 ggcgccaggc gaacctcatg atctatatga tgatatcctt ctcaaacttg ggggatgtga 60
 aaactctggt actgaaggaa aagaccgcat atactgggcc atcaatgaca agcactttgt 120
 ggcccatata gctaactacc gatctcctgg aagacggacc cagcggcact attcaaccta 180
 ccaacacctt atgtgttcaa tttgtgactc acgtgcacat ttatcagaaa acagtccctt 240
 accacgaaaa gttcgtcgct gcttcctgtg ctccaggaga ggacatctcc tgtattcctg 300
 tccagccccc ctttgccaat actgtcctgt gcctaagatg ttggaccact catgtctttt 360

388

<400> 2066

cgTtgctgtc	ggaccgccat	cctgggggtc	tctctctata	acaagaccaa	gtacgatgca	60
aaccagcaag	ccaggaagca	cctcctcccc	gtcaccacag	cagacctgag	cagcaaggag	120
cgtcacccga	gcccactgga	gaagccccac	aacggcctcc	tcttccccca	gcacggggac	180
tatcagtacg	gccgcaacaa	catcttaaca	gaccacttcc	aatacagccg	gcagagctac	240
ccaaactcgt	acagtttgaa	cgcgtatgat	gtgtagagtc	caaaggacag	gaccagactg	300
ttggtgactc	cttccccggc	ccccacagca	gtatcagaaa	cttctgacaa	tcagtgaatg	360
tacaacccag	ccgaggggac	ggtgcataac	tctccat			397

<400> 2067

cgttgctgtc	ggtgggcttg	ctccattgtg	ttggtgcaac	cccagcagcg	gtctctgggg	60
ccaggcaggt	gggtggacga	ttggacttgg	aggggaatac	agagggcatg	gaagtggcga	120
ggctggcctg	ttggcgaggg	tgtcctggtg	gtggggcggg	ctgagtcaag	gaaggactct	180
gaagggtccca	agcagctgct	gaggcccca	aggaagtgg	tccaaccttg	gacctctagg	240
ggtctggatt	tgtcgtttaa	caagataacc	tgagggcagg	accccatagg	ggaatgctac	300
ctcctgccct	tccacctgcc	ctggtgttca	cggcggcctg	gtcccttctt	gccgagagag	360
tgtcctgggt	cacggaacga	gaggacgtc	actga			395

```
<210> 2068
<211> 399
<212> DNA
<213> Homo sapien
```

<400> 2068

ggttgctgtc	gggtgggcttg	ctccagggtt	ttggttcaac	cccagcagcg	gtctctgggg	60
ccaggcaggt	gggtggacga	ttggacttg	aggggaatac	agagggcag	gaagtggcga	120
ggctggcctg	ttggcgaggg	tgtcctggtg	gtggggcggg	ctgagtcagg	gaaggactct	180
gaaggtccca	agcagctgct	gaggcccca	aggaagtgg	tccaaccttg	gacccctatg	240
ggtctggatt	tgtcgtttaa	caagataacc	tgagggcagg	accccatagg	ggaatgctac	300
ctcctgccct	tccacctgcc	ctggtgttca	cggtggcctg	gtccctcctt	gccgagagag	360
tgtcctgggt	cagggaacga	aaggacgctc	acagactcc			399

```
<210> 2069
<211> 400
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc feature
```

<222> (1)...(400)

<223> n = A,T,C or G

<400> 2069

cactacttca	cgggcctgca	ggtgcttcag	ctgctgctgc	tgtgtgcctt	cggcatgagc	60
tccctgccct	acatgaagat	gatctttccc	ctcatcatga	tgcctcatgat	ccccatccgc	120
tatatcctgc	tgccccgaat	cattgaagcc	aagtacttgg	atgtcatgga	cgctgagcac	180
aggccttgac	tggcagaccc	tgcccacgcc	ccattcgcca	gccctccacg	tcctcccagg	240
ctggctctgg	agctgtgagg	ggaggtgtag	gtgtgtgggt	gactgctctg	tgctgcgcct	300
tctcatggct	gactcangcc	tggggcatct	gggcattgta	ggggtgcagt	ggtatgtgcc	360
cacccctctc	ccattatcct	ttagctttag	gccaaagagcg			400

<210> 2070

<211> 389

<212> DNA

<213> Homo sapien

<400> 2070

cgttgctgtc	ggcagaaaat	agaataaaac	aacttgaaac	tgactcctca	gaagaaatat	60
cacgttacca	agaaatgatt	cagaaacttc	aaaatgtatt	ggagtctgag	agagagaact	120
gtgggcttgt	cagtgaacaa	aggctaaaac	ttcagcaaga	aaataaacag	ttacggaaag	180
agactgagag	tttaaggaag	attgccctgg	aggctcaaaa	aaaagccaaa	gtaaagatca	240
gtacaatgga	acatgaattt	tcaataaagg	aacgtggatt	tgaagttcaa	ttgagagaga	300
tggaagacag	taatagaaat	tccattgttg	aactgaggca	tctcctagcg	actcaacaga	360
aggcagccaa	taggtggaaa	gaagaaacg				389

<210> 2071

<211> 382

<212> DNA

<213> Homo sapien

<400> 2071

cgttgctgtc	ggcctaaggg	aacagaggct	tcttcgggga	cagaagctgc	cactggcctt	60
gaaggggaag	aaaaggatgg	catctcagac	agtgatagca	gtactagcag	tgaggaagaa	120
gagagctggg	aaccctccg	tggtagaag	cgaagccgtg	ggcctaagtc	agatgatgac	180
gggtttgaga	tagtgcttat	tgaggaccca	gcgaaacatc	ggatactgga	ccccgaaggc	240
cttgctctag	gtgctgttat	tgctcttcc	aaaaaggcca	agagagacct	catagataac	300
tccttcaacc	ggtacacatt	taatgaggat	gagggggagc	ttccggagtg	gtttgtgcaa	360
gaggaaaagc	agcaccggat	ac				382

<210> 2072

<211> 394

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(394)

<223> n = A,T,C or G

<400> 2072

<400> 2075
 cggttgctgtc gaccaacacc aagtactgct tgtgccagat gctacgagaa cagctggagt 60
 cgccccaggg aaggttgctc catgctgccc agtcttcccc ggaaatttgt gaggcctttg 120
 gccttggtgc cttctatgag gagaccacac aggagctgga tgcccagcag gccaggctct 180
 cagccaagac ttcagagcag acaggggagc cagctgaaga tacctctggt gtcattaaga 240
 tggctgtcaa gtttgaccgg agagcatacc cagcccagat caccctaag atgtgcctac 300
 tanagtgggt cgggagggag aagttggcac agcctgtgta tgaaacggtt caacgcctc 360
 tagatgcct gttctcctct attgtcaccg ttgctgaacc 400

<210> 2076
 <211> 403
 <212> DNA
 <213> Homo sapien

<400> 2076
 ggcacgaggt tcaagctgca ccgactgcac ttcattccgcc tcttggcagg aggccccgcg 60
 aagcagctgg aggcctcag ctatgctcgg cacttccagc cctttgctcg gctgcaccag 120
 cgggagatcc aggtgatgat gggcagcctg gtgtacctgc ggctgggctt ggagaagaca 180
 ccctactgcc acctgctgga cagcagccac tgggcagaga tctgtgagac ctttaccg 240
 gacgcctgtt ccctgctggg gctttctgtg gagtcccccc ttagcgtcag ctttgctct 300
 ggctgtgtgg cgctgcctgt gttgatgaac atcaaggctg tgattgagca gcggcagtgc 360
 actggggtct ggaatcacia ggacgagtta ccgattgaga ttg 403

<210> 2077
 <211> 400
 <212> DNA
 <213> Homo sapien

<400> 2077
 cggttgctgtc gctcactgca acactcttgc cttccagggt caagagattc ttgtgcctca 60
 gcctcccag cagctgggag tacagacccc tgccccata cccggctaatt tttttagca 120
 aattaactcat ttgtctgtct actttttatt ataaagattg tggcaactct gcttagga 180
 ctggattttt ctgcccatt aaggtaaaaa aagaaaaaaa aaagcaacca ccaccataat 240
 attaccaggg aaaccagctg tgttctgtaa aaggccggcc tatcagattc aagttgcaag 300
 ccttatacac agtaagtgtc tcatgcacat atccatgagg attcacataa gctgccatcg 360
 gccacataa ggataaacta aaacaaagaa tcaacatggt 400

<210> 2078
 <211> 391
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(391)
 <223> n = A,T,C or G

<400> 2078
 ggcacgaggg agcgtgggtg ggacacggtg tctgggtgtan acggggagcg tgggtgggac 60
 acggtgtctg gtgtagacgg ggagcgtggg tgggacacgg tgtctggtgt agacggggag 120
 cgtgggtggg acacggtgtc tgggtgtagac ggggagcgtg ggtgggacgg tgtctggtgt 180

agaccgggag	cgtgggtggg	acacggtgtc	tgggtgtatac	ggtgagcgtg	ggtgggacac	240
ggtgtctgtt	gtagacggag	agcgtgggtg	ggacggtgtc	tgggtgtatac	tgggagcgtg	300
ggtgggacac	ggtgtctggt	gtanaccggg	agcgtgggtg	ggacacggtg	tctggtgtat	360
aatggaatgg	gagtgtgtgt	ttgtgacatg	g			391

<210> 2079

<211> 398

<212> DNA

<213> Homo sapien

<400> 2079

ggcacgagcg	gtcgcggagc	tgcggccagt	tttgggaggg	ccggccccgg	gatgctacac	60
acaacccagc	tgtgcctatg	cggacatcac	gctcgccatc	aagtttctgt	ttgagcgtgt	120
ggagggcatc	tccagggcta	ccatcattga	tcttgatgcc	catcagggca	atgggcatga	180
gcgagacttc	atggacgaca	agcgtgtgta	catcatggat	gtctacaacc	gccacatcta	240
cccaggggac	cgctttgcca	agcaggccat	caggcggaag	gtggagctgg	agtggggcac	300
agaggatgat	gagtacctgg	ataaggtgga	gaggaacatc	aagaaatccc	tccaggagca	360
cctgcccgcg	gtggtggtat	acaatgcagg	caccgaca			398

<210> 2080

<211> 397

<212> DNA

<213> Homo sapien

<400> 2080

ggcacgagga	caggaggaag	aaacaagtat	aaaggttttg	gttttgga	gaagttggaa	60
tctccagacc	ctgggacctt	aagatccaca	gaattgctga	aagaaaaagt	actaccttat	120
tgaaaggatg	aagaaacacg	aaaagattat	gattacatgc	tggatcatcc	agaagagtac	180
tacagccatt	actaccacta	ctatagcagg	cgcttggccc	ctaagggtgga	tgtagagta	240
gtgatttttg	tcagcgtgtg	tgctatttcg	gtgtttcagt	ttttcagctg	gtggaatagc	300
tacaataagg	caatcagcta	cctagccaca	gtgcccgaag	accgtatcca	agctacagag	360
attgccaaagc	agcagggact	gctcaaaaaa	gccaaag			397

<210> 2081

<211> 403

<212> DNA

<213> Homo sapien

<400> 2081

tcaattccgt	tgctgtcggc	ggcggccaca	gttggggccg	gtggctccgg	aacgagatcg	60
ggaaggggaa	agtccactaa	ccctgccgat	agctatcatc	tggcccggag	gagaaccctg	120
caaggggggtg	cgagtcctt	gctgacacag	gcagggtttg	agagtgccga	aaaagcatat	180
gtggaaacgc	tgacagagat	gctgcagagc	tacatttcag	aaattgggag	aagtgccaaag	240
tcttactgtg	agcacacagc	caggacccag	cccacactgt	ccgatatcgt	gggcacactt	300
gttgagatgg	gtttcaatgt	ggacactctc	cctgcttatg	caaacgggtc	tcagaggatg	360
gacatcactg	ctcctccggt	gaccaatcag	ccagtgaccc	ccc		403

<210> 2082

<211> 394

<212> DNA

<213> Homo sapien

```
<210> 2083
<211> 385
<212> DNA
<213> Homo sapien
```

```
<210> 2084
<211> 388
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G
```

```
<210> 2085
<211> 403
<212> DNA
<213> Homo sapien
```

```
<400> 2085
aattcggcac gaggtagcat ggaggggggag aggacgtagg ctgtgctctc gggcttttgtg      60
ctcggcgcac tcgctttcca gcacctcaac acggactcgg acacggaagg ttttctctt      120
```

ggggaagtaa	aaggtgaagc	caagaacagc	attactgatt	cccaaagga	tgatgttgaa	180
gctgtttata	caattgacat	tcagaaatat	attccatgct	atcagctttt	tagaatgtgg	240
taggttggtg	caaattccgt	cgtcattcag	atcagatcat	gacgtttaga	gagaggctgc	300
ttcacaaaaa	cttgaggag	catttttcaa	accaagacct	tgtttttctg	ctattaacac	360
cgagtataat	aacagaaagc	tgctctactc	atcgactgga	aca		403

<210> 2086

<211> 390

<212> DNA

<213> Homo sapien

<400> 2086

cgttgctgct	gctcctttgt	ggccccctctg	caagagaagg	tggtctttgg	attatTTTTc	60
ttaggagcca	ttctctgcct	ttctttttca	tggtctctcc	acacagtcta	ctgccactca	120
gagggggtct	ctcggtctct	ctctaaactg	gattactctg	gtattgctct	tctgattatg	180
ggaagttttg	ttccttggct	ttattattct	ttctactgta	atccacaacc	ttgcttcctc	240
tacttgattg	tcctctgtgt	gctgggcatt	gcagccatta	tagtctccca	gtgggacatg	300
tttgccaccc	ctcagtatcg	gggagtaaga	gcaggagtgt	ttttgggcct	aggcctgagt	360
ggaatcattc	ctaccttgca	ctatgtcctc				390

<210> 2087

<211> 383

<212> DNA

<213> Homo sapien

<400> 2087

cgttgctgct	ggctgggtgat	agctgtgtta	cctgccaaat	ctccaccaac	aaataaaatc	60
ggaagtaaat	ccagcaatgc	cagttggcct	ccagaattcc	aaccaggagt	gccatggaaa	120
ggtatccaaa	acattgaccc	tgaatctgac	ccctatgtca	cccaggaag	tgtgctgggg	180
ggtacagcca	catctcccat	tgtagatact	gaccaccaac	tgctgcggga	taacaccaca	240
gggtetaatt	cttcctccaa	cacctcgctg	ccttcacctg	gtgcctggcc	ctacagtgcc	300
tctgacaact	cctttaccaa	cgttcctatgc	acttcagcaa	agttccctga	ttacaaatca	360
acatgggtccc	cagatcccat	agg				383

<210> 2088

<211> 402

<212> DNA

<213> Homo sapien

<400> 2088

ggcacgagca	gacatggcgg	tggtggcggt	gaacagcggg	gagacgtgct	acagcaagta	60
cggggccatg	gccctcaaga	gccggggcctg	ccacgagatg	gccctgagaa	tcgtcctgca	120
cagcctggac	ctccgcgcca	actgctacca	gcgcttcgtg	gtgccgctgc	tcagcatcag	180
cgtgacttcc	tacgtgcgtg	tttttgtccg	tgtcttcacc	ggccaggcca	aggtcaaggc	240
ctcagccagg	gccaagtctc	ctgcagcctg	tggtccccct	gtgacccccg	agtgtgaaca	300
ctgtgggcaa	cgacaccagc	ttggtggccc	catgtgggca	gagcccatcc	atgacctgga	360
ttttgtgggc	cgtgtcctgg	aggctgtgag	cgctaacccc	gg		402

<210> 2089

<211> 381

<212> DNA

<213> Homo sapien

<400> 2089

```
ggcacgagtg cacgcctgtg atcccagcta cttgagaggg tgaggcagga gaatcacttg      60
aactcgggag gtggaagttg cagtgaagctg agatcgtgcc actgcacgat ccgcctgagc    120
gacagaatga gattccatct caaaaaaaaa agtacttaat acctacttta aagattgtca    180
tggaatatata aagtatgtgg cccttactaa tgctagataa tgctttgctt tcttttattt    240
gcatcttacc ctcttccgtg agtattgata ctgtcttaaa catagtaggg tttgattaga    300
tatttgctgg ttgccccttc acttgcaggg gatacataca aatgttggtt ggtattggat    360
aatgaatatg atgtttctaa a
```

<210> 2090

<211> 367

<212> DNA

<213> Homo sapien

<400> 2090

```
ggcacgagga gctttgtcaa aatacctggc ctctagttct gagattttat tattgttcat      60
tagaccagtg ctagggcatg aatgttttgt gtttatcttt ttttttttta acctttattt    120
taagggttaag ggaaccccag aagggttggg cccataggaa acctggggcc acaggaattg    180
gtggaccatt taattcctcc ccccgggggg aagcccagc cctaaaaagg aatttttttg    240
gcccttttcc tttccccccc ctcccccttt aaaaaaaaaa ccagggccaa tggttccctt    300
tttggggcca aaaagtctta acatttccct ccccctaaaa agggaaacca gcgcggagtg    360
aattttg
```

<210> 2091

<211> 363

<212> DNA

<213> Homo sapien

<400> 2091

```
ggcacgagat agggtagtct tgactagata taaccaaggg ataaaagagg attagctgac      60
tcaggataac atttcagggt tgtgaagatg aatttgtcct ttgaaacaga tctttttaga    120
aagggtgttt cataatttct gaccgaagta tttgttacac gtaaaataag taagaacgga    180
ctgaggccag aaagctgtgg atgacagaag ggattgggtgc attctcagt aattttgata    240
caaattaagt atgtgggtag tttttaaata catttactat atatatatat taatgaaaaa    300
ttgtttccta aactgtgaaa aggcctatta aagaaattta gaggctggat gcggtgactc    360
atg
```

<210> 2092

<211> 380

<212> DNA

<213> Homo sapien

<400> 2092

```
ctttgatcct tctggaatta attttgggtgc attgactgag gtaggggctc acgtttcctt      60
cccgatgtca gccactactt ttggtctttt aatctataaa agcagggcac tgggttagaa    120
tttcctaaat ctcttatata tcaaacaaag cactcactgc aaacttgatc aatagaggaa    180
agtatgcttt ttttgtatth taccttttac cagtttctact tactgtaaat cataagggtg    240
tcttacatag tagaaaaata gcattatctt aaacctgggt ttttattact aaatatatca    300
ctaaaaatgc tttacaaagc agtaatgatt ttatttcttg ggggaataaaa tcaagaaagc    360
```


<212> DNA

<213> Homo sapien

<400> 2096

```
cgttgctgtc ggccacgaac acagccttgg gcccaaggtg atgcgcgccg ctcttgagtc      60
cctcagatgc caaacgcaaa aaaaagcctt ctctctctaaa gacacggaaa tgcaccgagt    120
ccggctctgc ctcaccccca aatccttccg gtccccaac tcggcagcca aaatcgaaaa    180
ctactctcgt ctcagcgccc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc    240
cccggccgct gtcgcccact tcggacggca tcccgagact accctttctca aggccgtatg    300
accagtccga gctgccatga tagactctcc gaagccggtc gtcacctccc ggaccagccc    360
tgcagcaccg cc                                     372
```

<210> 2097

<211> 148

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(148)

<223> n = A,T,C or G

<400> 2097

```
ctangaaaga ccccttcctc ttgcagtgtg tctccagcgc cctctactga caaagtatgc      60
catcatgcaa gctgcaaagg aaacatttca agagtctata tctattttca cggagcgggc    120
accaacagtg aatgtggagc tgagagag                                     148
```

<210> 2098

<211> 379

<212> DNA

<213> Homo sapien

<400> 2098

```
ggcacgagag aatgcctcca ggctgggtcat tccatgtgac tagtgcaggg ttgcatggga      60
gaggatagct gatgaacca gattgtgaaa ggctttgtgg ctctgtgctga ggattgtggg    120
cttaactctg ggtattgtgg agctgttaaa acacatatta aggagtgcag tgatcagatt    180
ttccttttta aagtgcattc tgtggagcag taattcttag ctatggagtc caccacaaac    240
tttgtcatga taggttgtga ggtatatata gtatatgtta ccaataataa aatatcaggg    300
cttacacatt aattgatttt ttaataagtt aaagcaagtt gaggttatca ctgtgatttt    360
cttcattcac ttacatcct                                     379
```

<210> 2099

<211> 375

<212> DNA

<213> Homo sapien

<400> 2099

```
ggcacgagat acattttata tttggaaggt tgtccaaggg caggtgggag cagtatagta      60
tatgcatgct caggcagggc tagagtttga cctcaccacc tcaccagtca tattagagta    120
gctgtccaga caaggtgtgg gacacaattt cttatcagac caacaacctg caaagcagtc    180
ctcagtcctc atttccctcc tgcttgtgac cagctatcaa aacctcaact ctggctaaat    240
```

ccagcaatcc	gcctaggttg	ctgagcactg	ctagagacaa	atcatacaac	tatgcaaate	300
agtgttacta	tatgatcact	aacctcgtat	gaaccttcac	tgtgcttgca	acatcagctc	360
ccattcctac	cactt					375

<210> 2100

<211> 371

<212> DNA

<213> Homo sapien

<400> 2100

cgattcgaat	tccgctgctg	ccgaaaactt	ctggatattt	acccacgaag	aacttcacgg	60
gtccagtggg	tttgccctta	tggccgagtg	tccatacaca	ctccaaaatt	catttatcag	120
ccacaagatt	agttcgtgtt	tcaacatctg	tagcttcagc	acatactgat	ggaaaaataa	180
agattctgtg	tcataaatac	cttattggag	tgtagcata	tttgacagaa	ctggcaattt	240
ttcaaattga	gtgaagcctt	atgtggacta	taagttatag	attatatact	cttattgata	300
acttgccata	ttgctatgct	gaaagagact	gcaggagaaa	taggcatcta	tctctgcata	360
tgttttcccc	a					371

<210> 2101

<211> 373

<212> DNA

<213> Homo sapien

<400> 2101

tccgttgctg	tccgtttcct	tgttggattt	tcttggtctc	tgtgctact	gtaaaaacga	60
aatgagtggg	cctgctcagg	ttccaatgat	gtccccaat	ggttctgtgc	ctcctatcta	120
tgtgctcctt	ggatatgcc	cacaggttat	tgaagacaat	ggtgttcgaa	gagttgtcgt	180
ggccccctcag	gcaccagagt	ttcaccctgg	tagtcacaca	gttctccacc	gttctccaca	240
tctcctctta	cctggtttca	ttcctgtccc	aactatgatg	ccgcctccac	cacgtcatat	300
gtactcacc	gtgactggag	ctggagacat	gacaacacag	tatatgccac	agtatcagtc	360
ttcacaagtc	tat					373

<210> 2102

<211> 381

<212> DNA

<213> Homo sapien

<400> 2102

cgttgctgtc	gaactgcccc	acatcatctg	cagtaggacg	ggggagttgg	agccctggtc	60
aggccactct	gctactgacc	acagttttct	catctctaaa	aaggcgcagt	aacaatataa	120
ttaccgtatg	cagtcccca	ggatacaggg	tcaaaggaga	ccacaaccat	cgcagatgga	180
agcccatggg	gcagggccca	ggacacagtg	agcatacaat	agacattagc	tgctgtgggtg	240
tcttgatttc	aagcccagtg	cagatgcata	tgacttacga	aacttcagtg	acacctgctc	300
tgtgccagac	actgaagatg	gagcagtgaa	cagcactgac	ccagccatgc	ctcctgttgc	360
ctgcaggcca	gaagcaaggt	c				381

<210> 2103

<211> 362

<212> DNA

<213> Homo sapien

<400> 2103
ggaccaagac aaagttaagt aaactctgga gcagtgtatg tgatgagtgt gtggcagggg 60
gtttttttatt ctgcgaaatt ttgtgtacgt ttgaagctac cacagaatag cagatattag 120
aatgattcct gctgactcac cagtgatctt aactgttcac aggggtcagg caggaagcag 180
atctcttgcc ctccctctga tccaggtcac ttagtccagc ccctgaaagc agtggatgga 240
caaccatgcc accctctttc ttccaataca ccttattttg tatcctgccc tttttgtgta 300
gcattagatc atgagcattt tccctctgta taaatgtccc ctcaaatatg ttgattcttg 360
tg 362

<210> 2104
<211> 375
<212> DNA
<213> Homo sapien

<400> 2104
cgttgctgtc ggtcttgagg gaaggaagcc tttccttttt ggacagaagt tcaaattggtt 60
cttattttctt gtctcactaa ggcagtaata gcatagtgat ggacctgggtt gggtagtggg 120
ggacagctga aaaggcagga gttttacttt tgtttgaaaa gagaccacat cacatatagc 180
atctcaccat tcacaaagtg tacatccacc gatactactc cactgttaga gccttcgtcc 240
tcctatggca gtagtataag aaaccttcca ccaagtcaga gtgctctaac tgatgccaaa 300
cctaaacctg gaaataaaga ttttctctgga gcagtaagac ttcagactgt tgggtgagct 360
attatctcaa ggtag 375

<210> 2105
<211> 367
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G

<400> 2105
ggcacgaggg cgatggagga ggggaggtct gagcagagtt cgggtgtgcag gcgtaatggc 60
cctcgtgccc tatgaggaga ccacggaatt tgggttgcag aaattccaca agcctcttgc 120
aaactttttcc tttgcaaacc acacgatcca gatccggcag gactggagac acctgggagt 180
cgcagcgggtg gtttggggatg cggccatcgt tctttccaca tacctggaga tgggagctgt 240
ggagctcagg ggccgctctg ccgtggagct ggggtgctgg acggggctgg agggcataat 300
ggctgccctg ctgggtgctc atgtgactat cacggatcga acagtagcat tagaatttct 360
taaaten 367

<210> 2106
<211> 375
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G


```
<210> 2107
<211> 370
<212> DNA
<213> Homo sapien
```

```
<210> 2108
<211> 381
<212> DNA
<213> Homo sapien
```

```
<210> 2109
<211> 377
<212> DNA
<213> Homo sapien
```

<400> 2109						
ggcacgagct	gaagcgcttc	ctgcttacca	agttgcctcc	atatctaate	ttttgtatca	60
agagattcac	taagaacaac	ttctttggtg	agaagaatcc	aactattgtc	aatttcctta	120
ttacaaatgc	ggatctgaga	gaatacttgt	ctgaagaagt	acaagcagta	cacaagaata	180
ccacctatga	cctcattgcc	aacatcgtgc	atgacggcga	gccctccgag	ggctccctacc	240
ggatccacgt	gcttcacat	gggacaggca	aatggatga	attacaagac	ctccagggtga	300
ctgacatcct	tcccagatg	atcacactgt	cagaggctta	cattcagatt	tggaagaggc	360
gagataatga	tgaacc					377

<210> 2110

<211> 143

<212> DNA

<213> Homo sapien

<400> 2110

tcaagttaca	aaagctctgg	aaccctgtgg	cttcaaatcc	tttgggaagg	gtgactgttg	60
tttccccctac	acacagtgtg	agccggaatg	ggaatcgctg	aggctctgat	ccacttctaa	120
gaacagaagg	aaagtgaagg	cag				143

<210> 2111

<211> 354

<212> DNA

<213> Homo sapien

<400> 2111

tttcttgtgc	tagaagacaa	ccgaattggt	ttggctaaga	aacactaatc	tagctgaatt	60
cccacacact	caaaaatatt	ttctaccaa	ccccaaatca	attgatgtct	ccattctaca	120
tggtgtgtct	caatgtcagg	aaactcacta	tattccaaaa	ttccatttgt	tgtcgaagag	180
aatcattata	gagagacccc	ttcatgtgac	ctgcgacctg	cgatatttaa	tttcatttaa	240
aagacagaca	cacagggaaa	tatatagctg	agagatgctt	tcattaatag	agaatcctgg	300
gaacccttga	gtaatcacat	tttgaccaac	tctagtgaat	agaccatttc	cctt	354

<210> 2112

<211> 332

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(332)

<223> n = A,T,C or G

<400> 2112

tacggctgcy	agaaacgaca	gaagggggaga	ggagggctgc	agatgatgac	ttggttttgc	60
ctggattgag	tctgggatgg	ggatgagaca	tcatgtttaa	atggctcttat	agggagtagg	120
aaagaggcta	aaacctcaag	agatagagga	aattcaagta	caggattaag	ttgaacaaaa	180
gtgataacca	accccacaag	gtgattttta	tttcgtaacc	tcagtgggga	aatcttcggt	240
gcagggcagt	ggtcttcatt	tggggtgatt	tttgtctccc	aagggacatt	tggcaaagtc	300
tagaaatatt	tttggttgtc	acaactcggg	gg			332

<210> 2113

<211> 337

<212> DNA

<213> Homo sapien

<400> 2113

ttttcggctg	ccagattacg	acagaaggga	aacctttaaa	gtctttgagt	ttcgaaggac	60
aaactttggg	atttccttgg	ttaaactcaa	agtgactgtg	tgacagaagg	gggtggattag	120
ctatattctt	tgctgtattt	ttataactaa	agctacaatg	attaggaag	ttgcaatgtc	180

```

aatcaatat tctctcattt gtctaccaga aagcagtctt actagaaatg cacatacata 240
agatTTTTga tttggttcca gttgacactt gatgtgtcaa gtaccaggca gtaaaatgca 300
gatccagtaa catttctttt tcttttgtgg ctagctg 337

```

```

<210> 2114
<211> 337
<212> DNA
<213> Homo sapien

```

```

<400> 2114
tacggtgcga gaagacgaca gaagggataa acaaattttt ttaaataaat gagagatagc 60
taagggtttt taaaaattat tatactctaca ttatgagaag aaggccttta ttgtccttgg 120
aggtatgcat ttccagaccc cttacttaag agctcctgga atgtggttct gcttgacaga 180
gttctgtatt agcacttgga taccagaggc agcaccacaa tcaagctgcc aggccagaga 240
atgtttcctt tccaaactca gctgccctct tgcacttaat ctaattgggt agtgatagaa 300
aagtacagtt gttactaaaa cactcttttg cctggag 337

```

```

<210> 2115
<211> 222
<212> DNA
<213> Homo sapien

```

```

<400> 2115
ctgaaagttt tgaatttgat taaagttatt catgtcttgt taatctctgc aacatttgta 60
gttgcgTTTT tctccttttg tctttgaaga attttgcccg atttttttcc tagtagtttt 120
caaagaacca gcttgtagct tgagtgatac tgggtgtttc tagctcatca tcggattttc 180
tgctcttccc cgtccagctg cttaaagtaa tttttaagct ca 222

```

```

<210> 2116
<211> 462
<212> DNA
<213> Homo sapien

```

```

<400> 2116
cgttgctgtc gaggatatgc tgttgggtga ggatggattt aatgttgata caagtatttt 60
ggtctgagcg tttggaagaa agttggcact gaggtgggaa gtcgagttta gttttgtag 120
ttttggatgt gttaagtttg agatgctgat tcttcagaga agtctaagct ggagaactat 180
atagagagtg gaaagataac aatagacatt gaaagccatg atacaggata aggtcatttg 240
gagagaggat agactgcatt ccaacatgag attgggtgac aaagagaaac caaccaaggt 300
aattaagagg tgctccact gcaactgtac tcagaaggct gaggtaagat tgttagaggc 360
cagcctgggc accacaggga gaccccatct ctaaaattta gccaggaacc atggctcatg 420
cctgtagccc caggaatttg ggaggctgag tggggaggat cg 462

```

```

<210> 2117
<211> 454
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(454)

```

<210> 2114
 <211> 337
 <212> DNA
 <213> Homo sapien
 <400> 2114
 <210> 2115
 <211> 222
 <212> DNA
 <213> Homo sapien
 <400> 2115
 <210> 2116
 <211> 462
 <212> DNA
 <213> Homo sapien
 <400> 2116
 <210> 2117
 <211> 454
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(454)

<223> n = A,T,C or G

<400> 2117

cattacgtca	gcaacgncnn	cnngnnnnng	atcccatcga	ctcgaattcc	gttgctgtcg	60
aaataaatga	ctggatgggc	gcttcttttt	aagtttcaaa	ttgacattcc	agacaagcgg	120
tgcttgagcc	cgtgcctgtc	ttcagatctt	cacagcacag	ttcctgggaa	ggtggagcca	180
ccagcctctc	cctgccctag	cagatgctaa	tccaccgtgc	gtcctggcag	aggttgaagg	240
gggtcctca	agtcccaggt	ccagcttggg	gtgggttcagc	tactcgagag	acatctgctg	300
ctaattggatg	agcagtcaac	ctggacgcag	gaaatcattt	tttatttggg	gcaaagaggg	360
agaggaatgg	agctcagagc	ttttagagaa	tatgggccag	aaacaggaag	gagtcacgac	420
ctgataacgg	gaaccagcgg	acagtgaacg	cagt			454

<210> 2118

<211> 442

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(442)

<223> n = A,T,C or G

<400> 2118

cgttgctgtc	ggattttacaa	aagaatctac	ttgactctgt	ccctggagtg	aaatccttag	60
ggttggaact	tgtgggaaca	ttccaacttg	ctaagcaggg	tccactggga	gggaagctct	120
atctgggaac	tcacccccag	cgcacacaca	tctccccag	ggtcccaagg	ccccgcagct	180
tcctcccccg	accaaacc	aagacctgga	tcccaggaga	caacagtctc	cacagtgaga	240
gcaacattaa	gggcaaagcc	atggagaaat	gtgggagagg	ccggcctcaa	atctttccat	300
ttaacaaacc	ccagtgatgg	gtatggacag	catgcagggc	ttttggggnc	gcttcccccg	360
ctctccatc	accctcagcc	ttcacacttc	aaagttcaag	ttcaaagctg	ttcaagtttc	420
ctaccagcaa	agagccctaa	ct				442

<210> 2119

<211> 436

<212> DNA

<213> Homo sapien

<400> 2119

cgttgctgtc	ggattttacaa	aagaatctac	ttgactctgt	ccctggagtg	aaatccttag	60
ggttggaact	tgtgggaaca	ttccaacttg	ctaagcaggg	tccactggga	gggaagctct	120
atctgggaac	tcacccccag	cgcacacaca	tctccccag	ggtcccaagg	ccccgcagct	180
tcctcccccg	accaaacc	aagacctgga	tcccaggaga	caacagtctc	cacagtgaga	240
gcaacattaa	gggcaaagcc	atggagaaat	gtgggagagg	ccggcctcaa	atctttccat	300
ttaacaaacc	ccagtgatgg	gtatggacag	catgcagggc	ttttggggcg	cttcccccg	360
ctctccatc	accctcagcc	tccacacttc	aaagttcaag	ttcaaagctg	ttcaagtttc	420
ctaccagcaa	agagcc					436

<210> 2120

<211> 434

<212> DNA

<213> Homo sapien

```

<400> 2120
cgttgctgtc gaaagttatc aagtaaatat gtcctctgtg ttctgtttca tgtgatggag      60
ggggtttcag tctgtgttct tggagccaaa ggggttcctc aggggtgcctc aagagtaatg      120
gtttaagaaa agaggggcaa tgagagggag cgagggggaa ggcctagtgt gtatttgagc      180
aggggcctta agtccatat cccaccccc tttacccaaa acagcccatt tttcttatgt      240
atattggaat ttcaagtaag ctttcatggg gtgcagtggg gcggggagga atggatggga      300
taaaaaaagt ggagattttg ctgctttaa aaagttgaga actacttgtg taggttttaa      360
ggattttaat gtatttcatt ttggcaaatt caactgccac aaagcagcta tgcataagtg      420
taactgtgca gtgg                                     434

```

<210> 2121

<211> 434

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(434)

<223> n = A,T,C or G

```

<400> 2121
tcgttnaatt cggcacgagg atgcccaggc caccatggag ctatataagt tggttgaagt      60
cgagtgggaa gagcacctag cccggaatcc ccctacagac tagtggcagt ggggacgctg      120
gtgatatgag gaggcagagg cagcaccag gagaaacagg gcagtggacc aatggacagc      180
tccaccagct ccacatcttt ggaagctaga tttggggaga gagaagctct accccagact      240
taatacccat tgaaatttca cctcaggtgt tgtgtcctgt gtctgggttaa gtgtcccatg      300
gaaggggaaa gccttcacgt cagaacccaa ccctatacct tttacttctt anatgggtgt      360
aaccacaggt gtcccagggt gctctgtgcc agttaagatt ttttaactttc aaggggcagg      420
gcatactggg aaat                                     434

```

<210> 2122

<211> 431

<212> DNA

<213> Homo sapien

```

<400> 2122
tctcatgggc tgcctgggac cagcaactcg aatagcatct gatttgggag ccaaaggcag      60
ggctcctgag acagcaggga tgggtgcctc tctatctcac ctaagctact ggctacagcc      120
actgccaacg ggcatgggct gaaagggaac gacgagagcg ctggccttga caggaggggc      180
ttcagcagct ccagcccaga gcaactcggc agcatcgact ccaccaaggc ccccagacc      240
cccaggagtg gagcggccca tctctgcgat tctcaggaaa cgaactgttc caccgctggc      300
cactccaaaa cgccgccaag tggagcagat tctaagacgg tgaagctgaa gtccccctgtc      360
ctgagcaaca ccaccactga gcctgcaagc accatgtctc ctccaccagc caaaaaactg      420
gccctttctg g                                     431

```

<210> 2123

<211> 423

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(423)
 <223> n = A,T,C or G

```
<400> 2123
ggcacgagat tttcttaact tgaaattttc tactagccct ggtgaacttc tgtgcttaaa      60
aaaaaaaaaa aaaaagggga aaattttcact ttaaaaactt ttgttaacag caggggaccc      120
ttgttatttt caggtccccc acccccacaa aaaggggggg gtttgctccc tttaaagggg      180
tggaagccc taattttttt taaaaaaaca gtgccacac tttcccaaac ccaaagggg      240
ggaaaggcg gcccttttga aaaaatgcgg aacccttta taattttttc aagggaacc      300
aaaaaattt aaaatgtatt aaaaagtga ccccgcccc tttgaaacct aaaaaaagt      360
tttaatggtg actttttacc aaagcggggg gcctaaaacc taataacca ccgctttgga      420
agn                                                                    423
```

<210> 2124
 <211> 170
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(170)
 <223> n = A,T,C or G

```
<400> 2124
ngaangancg cgagaatgca gttccgcggc agaaacctct gtagaggagc aggatgcaac      60
cgacaggctg tggccggaca gctgctgccc agcacatgga gcctgcacgc gcacagtttg      120
gccaaagaag ccccatact cccggtgaaa aagatggagt cttgctctgt                    170
```

<210> 2125
 <211> 424
 <212> DNA
 <213> Homo sapien

```
<400> 2125
cgatgctgtc gccctcagct ccctgccttc aaacctacct tacagacctg cctggcctgc      60
acctgagcca ccctcttctt ccttcctatt ccactaagg aggtgtccct gcttccttca      120
tagtgggtcc ttcccttgca ccgggaaaca ggccctagag atgactccat ggggtgaagg      180
accagagcct ccttgccctc ctctctgtct ctctctccct ctcttgctt cccatgaagc      240
tctgatgttt ccagtacaaa ataaacctcg ctcagtccca gtccttctcc agttcctccc      300
ctcacaagca tggcccccca ctgctggctt tccttcccca ccttccaccc tctccttggc      360
cttctccact ctggcttcag tggcctccga tggctacact caaagcctgg gtgcactggc      420
cttt                                                                    424
```

<210> 2126
 <211> 424
 <212> DNA
 <213> Homo sapien

<400> 2126

```

ggcacgaggc cttcacagcc agaagagggt gtgaagggat aaacacttct gagagtgggt      60
ggtagtagaa ctgagtattc aagactgaat gttaggcagg tagacagtga ctgggttaggc      120
tgagaaactt acaagtattt tcgttgagtt ctgcttccac tattatttac tttacaatgg      180
atatgaagtt cagatttcat cttatttact gaagggtggag aaaggatgtg gaagtagggg      240
ttatgggctc tcaaaagtag atttagagag atttttttat cactgtttta tgatatagtt      300
cactgagcac ttacatagat taacagttac aagtttccat aaatcagtta gaatatgact      360
agcttcaggg aaggaatfff caacaactgc aatctttgat tgttttactg tgggaacttg      420
cagg                                              424

```

<210> 2127

<211> 423

<212> DNA

<213> Homo sapien

<400> 2127

```

tctttgccct gatttccgtc ttttgaaaat ttatctggga tgtggacatc agtgggccag      60
atgtacaaaa aggaccttga actcttaaact tggaccagca aactgctgca gcgcaactct      120
catgcagatt tacatttgac tgttggagca atgaaagtaa acgtgtatct cttgttcatt      180
tttatagaac ttttgcatac tatattggat ttacctgcgg tgtgactagc tttaaatggt      240
tgtgtttata cagataagaa atgctatttc tttctggttc ctgcagccat tgaaaaacct      300
ttttccttgc aaattataat gtttttgata gatttttatt aactgtggga aaccaaacac      360
aaagctgata acctttctta aaaacgaccc agtcacagta aagaagacac aagacggccg      420
ggc                                              423

```

<210> 2128

<211> 426

<212> DNA

<213> Homo sapien

<400> 2128

```

ggcacgagca cataactgag ctcaagctct tgccaaacac caacaagcaa gatggttgca      60
acctggcaac attgaatcca ccacccttgg gctccctctg gaagccccag caccgggggg      120
cttttgggca cagggtcagt ggtagccatc ttagacactg acatttggtt ttgtcgtcaa      180
tttcatcacc ctcccttgagg ttactgtgca gtttcaacca gcattttatc ctagttaggt      240
cattatcagg agttgccata tcactctctc agtacctaac atttctcctc cacttcaaaa      300
gctgttctga ctgccagctg gctgatctaa gctcctgagg aatgtctcct ctcaaaggaa      360
tttttccctc caaaggccc ctgaagtcct agttggcatt ggccctggcac atgctttatg      420
ttaggc                                              426

```

<210> 2129

<211> 424

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(424)

<223> n = A,T,C or G

<400> 2129

```

ggcacgaggc cacattcact ctctctgtgg cctttcttcc tctgggcaaa gaagggttc      60

```

```

cagtggcctt tcctcactct gtagtgtttg tggggatagg ttccatgcaa gaacaccttc 120
ctcctccatc ccccaacttca ccccatccca taccagttcc atccagggtc tgcttaactg 180
ccaagagcag gtccctggagt tcccttcacc tgcagagtcc ttttcatgac ctaggaggtc 240
ttattcaaag ccctcattga cagaggagga aacaggccaa ggcaggacat ggctggacca 300
tggtgataca gctctgtgtg attcaagtgc tggcagagct tgtaaggcta gagcccaggt 360
ctgccgacac cctgtgcttg ttgcacactt gatttgctaa ggctggagac aggcaccatt 420
gccn 424

```

<210> 2130

<211> 428

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(428)

<223> n = A,T,C or G

<400> 2130

```

ggaccggaca aaccganttt nttgaggagc ccatacgcaat caattccggtt gctgtcgggtc 60
ttacagagcc atgatagaac tgtggttagt gagttaaaat tcctggagaa gctactgttt 120
ttctcctttg aaacttaggt ttctaaagtt gcacctaaagg aatctgtcac attttctgtt 180
gaatcatgga ttttggtttt gtttttaaca gacattccctt ctgataccga cttgaaaatt 240
agcgtatggt gacctgtgtt taaaaaaaaa agtacaatac acctacatat agctatatag 300
cttaatgaga ctccaccccc cccccccctt ttttttggat tgccgttgtg taaataaccg 360
ggggctggcc acatttaagg cttaaaaaatt tttaaatttt gtggctgatg atagcaaaca 420
cccctgtg 428

```

<210> 2131

<211> 424

<212> DNA

<213> Homo sapien

<400> 2131

```

cgttctttat gcggagcccc tcgaggtcga attccggttg tgctcgtccc acctcccccc 60
ccaacatcct tgctccgacc cacttcactc ctgcgcggagg gagaagtcca cagaaacctg 120
gaatgcctgc gagaggaagg aacaaaagga ggactcacag attgacacgc tgggctggcg 180
gctggccctc gaatctatag ggtctgggct tttaaacttc ttttttcaaa gctccgcctc 240
aaaataatgg ctagagaaaag aagttttgga ggtggccgat ggaaggctga ggaattttcg 300
agaaagggcc caggaccatc tggtagctag gacggagggg accaggtttt cttttttaaa 360
catccaccac caattgctct caacctgtac cgggtaagca tcagaccctg cgagtgggtg 420
tttt 424

```

<210> 2132

<211> 427

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(427)

<223> n = A,T,C or G

<400> 2132

ggcacgagcc	gtgcagcgct	cccgcgagac	gtcacacctgc	gccccaggtg	cctggctgct	60
acaaacctatg	caatgagcca	tgccccgccc	tggacacccc	cgcccagcat	ctgggcctcc	120
acgcttggga	ccgtgggagc	ggccaacaga	gctatgtctg	gagacatatg	ataaaccacc	180
tcagccccc	ccaagccgcc	gcacccgtag	accagacccc	aaggaccctg	gccaccatgg	240
gccagagagc	attaccttca	tctctggctc	tgtgagccg	gcccttgagt	ccccacctg	300
ctgctgctc	tggcgaccct	gggtgtggga	gtggtgccgg	gctgccttct	gcttcgccg	360
ctgccgggat	tgctccagc	gctgtggagc	ctgtgtgccg	ngatgcagcc	cctgcctgtc	420
tactgag						427

<210> 2133

<211> 427

<212> DNA

<213> Homo sapien

<400> 2133

cgagcttttt	gcaggacctc	gatcgattcg	aattcggcac	gagctaatta	tgagttgac	60
ccgctcttga	actctgtaga	ctctgataat	tgtggatcta	tggttccatc	ttttgctgat	120
atthttgtatg	tggcaaatga	tgaagaagcc	agttatctca	gatttcgaaa	tagtatatgg	180
aaaaatgaag	aagagaaagt	ggaaattttt	catcctttgc	gactagtctg	ggatccactg	240
tcacctgctg	taagacagaa	agaaaactgtg	aaaaatgacc	tgctgtaaa	tgaagctgca	300
attagaaaaa	tagctgccct	tgaaaaatgag	ctgacttttc	ttcgtctctca	gattgcagca	360
attgtggaaa	tgcaggaact	gaaaaaatagt	acaaattcta	gttccttttg	cttgagtgc	420
gagcgct						427

<210> 2134

<211> 427

<212> DNA

<213> Homo sapien

<400> 2134

cgttgctgtc	gcaatccttc	agatcatcct	tgggccagca	caatattcct	cagtaaactc	60
cagacggacg	tgagagaaaa	acgcaagagt	ctcttcatta	accatcatcc	tccaggacaa	120
atagcaagga	aatacagttc	ctgctccacc	atthttcctag	atgatagcac	agtcagtcaa	180
ccaaacctca	agtatacaat	taaatgtgtc	gctcttgcaa	tatattatca	catcaaaaac	240
agggacccag	atggaaggat	gctcttagat	atthtttgatg	aaaatcttca	ccctctttcg	300
aaatccgaag	tgccaccaga	ttatgacaaa	cacaacccag	agcagaagca	gatttaccgg	360
ttcgttcgga	cactgttcag	tgctgctcag	ctgacggctg	aatgtgccat	cgtcacccctg	420
gtgtacc						427

<210> 2135

<211> 429

<212> DNA

<213> Homo sapien

<400> 2135

ggcacgaggc	gcggcctcct	gctctttgtg	gatgaagcgg	acgccttcct	tcggaagcga	60
gccaccgaga	agataagcga	ggacctcagg	gccacactga	acgccttcct	gtaccgcacg	120
ggccagcaca	gcaacaagtt	catgctggtc	ctggccagca	accaaccaga	gcagttcgac	180

tggggccatca	atgaccgcat	caatgagatg	gtccacttcg	acctgccagg	gcaggaggaa	240
cgggagcgcc	tggtgagaat	gtattttgac	aagtatgttc	ttaagccggc	cacagaagga	300
aagcagcgcc	tgaagctggc	ccagtttgac	tacgggagga	agtgctcgga	ggtcgctctg	360
ctgacggagg	gcatgtctgg	ccgggagatc	gctcaactgg	ccgcgtcctt	gcaggccacg	420
gcgtatgcc						429

<210> 2136

<211> 417

<212> DNA

<213> Homo sapien

<400> 2136

ggcacgagag	agggcttaca	aaatgtttcg	taaatatattt	atactgttta	agtgttaaac	60
accaaccctg	tctttctttt	gggttgagct	tttttagaaa	gtcgaagtga	atgttggcca	120
ggaaaatgga	aaagccattg	tataaatattt	tttttgaggc	ggagtcttgc	tctattggcc	180
aggctggagt	gtagtggcac	catctccact	taccacaact	tgtgcctcct	gggttcaagc	240
gattctgctg	cctcagcctc	ccgagtagct	gggattgcag	gtacccatca	gcccattgcc	300
agctaatttt	gtattttttag	tagagatggg	gtttcaccat	gttggccagg	ctgggcttga	360
actcctgacc	ctgtgatccg	accaccttgg	cctcccaaag	tgtctgggatt	acaggtg	417

<210> 2137

<211> 417

<212> DNA

<213> Homo sapien

<400> 2137

ctggaatccc	agctattagg	gaggctgagg	caggagaatt	gtgtgaaccc	aggaggcaca	60
gggtgcaggg	agcctagatt	gtgccactgc	ctgggcaaca	gtgagaacct	gtctacaaaa	120
aaaaaagggc	atcgggattt	ttttatacaa	ccttaaacca	ccttttttag	ctttaggcgc	180
ctgcgggtggc	ccttggatct	gttctcaatc	ctcagggggg	gtggcagcat	gggaccatag	240
agagctgggc	aaagtccact	ttctctttgc	tgacagtctc	accttttctc	actgggaagc	300
tgcacaggag	cctttgggct	ggttcagccc	agaggccctt	ggcttccctgc	cttccctggaa	360
ttctatgctc	cccttctgaa	tgggaccctt	ctactcctgc	caagttagaa	tggagca	417

<210> 2138

<211> 419

<212> DNA

<213> Homo sapien

<400> 2138

ggcacgagga	gagaactgct	ctcgagatta	gttctctcga	actagtctcg	agagcagaga	60
ggggattttt	ttttattctt	tggttggttt	ttactatccc	cttttttttt	gctttgtttt	120
ttttgcttta	ttcccccccc	ccgtggttct	tttttttttg	ggggggggaaa	aaaaacttct	180
tttaataaga	taacaaactt	tttttttttt	ttaaaaaagat	ccccgccccag	ggtagggggg	240
gggggttttc	aaaaaaaaaa	aaaaaaaccc	cccccttaa	aaaaaccttt	tcttccccgg	300
caaaaaaaaa	aaaaaaaaaa	aacctccctt	ttttggaaaa	cggggggggg	ggggggggaa	360
tttttttaaa	aaaaaaaaaa	ttgtggggcg	ccccctctt	ttttttttta	aggggggggt	419

<210> 2139

<211> 417

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(417)

<223> n = A,T,C or G

<400> 2139

ggcacgagac	gaaaggaaac	cttacagaat	catgaagccc	tcaaccatct	gctactcagt	60
tattcggggc	tgacggcggc	ttctagaaca	tccaggtgtt	ctgcagatgc	gagaactcat	120
cctgtagtca	ccagatggag	tcccaaacag	ccaagcagat	gtaaggcctg	tgctgtggct	180
ctgaggccct	gaatacagaa	gggtcacttt	cttagtgggc	aaagagcagt	tgttgacatt	240
gatgtcta	tattgaacac	gaccagtc	tttactgagc	tgcggtgagg	aaacactgac	300
catagaagat	caagccaaat	gagggattgg	caatttcctg	attctttttg	attaggattc	360
cagatggggg	cctcatattc	acagcccca	acatttctat	angccgtatc	actggcc	417

<210> 2140

<211> 418

<212> DNA

<213> Homo sapien

<400> 2140

atcggcacga	gggtagcttg	gaccttgtgt	gccaacgctt	actcacggct	gcgcctaaca	60
gccttcactg	cctgggctca	ctcagggagc	gcctcattat	ttgggcagcc	atggattcta	120
tcccagcccc	atcatcagtt	caaggacaca	acctgactga	agatgcctga	catcctgaga	180
gttggcagaa	cacaggaggc	tattctgaag	gagatgcacc	atcacagcca	cagaaggcac	240
tagaggaggt	gtcaatgtca	gatccactgg	caagccacca	aagaccgtca	ctcccaggat	300
cctcacagga	gcacatggcg	cagtgcgaag	tgagacgcca	gacccatgtt	ccaaacagag	360
aacctgtgca	tgcactgcct	tcctctgcca	gccagaaaacg	tgtggaccag	aaacgttg	418

<210> 2141

<211> 421

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(421)

<223> n = A,T,C or G

<400> 2141

ggcacgagcg	ccactgcact	ccagcctggg	cgacagagtg	agactctgtc	tcanaaaaaa	60
aaaaaaaaag	gaaaaaaaaa	ctttgggcca	gccttgtccc	aaacaaaaaa	acttcaaccc	120
gggggggggg	gcctttttta	atttaatgaa	aagtttggaa	agggaaaaaa	ccttggaaaa	180
gcccaccccg	gcccctttcc	caaaaagaatt	tgggggtttc	aagggaacaa	cttctggaaa	240
aattgaccag	gaaaaaccgg	ataaccccaa	ccagtttttt	taaaccgggt	tttggaacct	300
aaaattttga	aaagggaacc	ccaggcccat	aaacaaaaac	cggggccttt	aaaaaggaca	360
aaattttccac	cccagaaaaa	gtccaaccca	attccaggct	ttctcgaaaa	aaaaatttca	420
t						421

<210> 2142

<211> 422
 <212> DNA
 <213> Homo sapien

<400> 2142
 ggcacgagga aaaactcaaa agcttggtcac tgcagcttca gcaggatgga gataatgggg 60
 acagcagcaa aagtactgag acaagtgact ttgaaaacat cgaatcacct ctcaatgaga 120
 gggactcttc agcatcagtg gataatagag aacttgaaca gcatattcag acttctgac 180
 cagaaaattt tcagtctgaa gaacgatcag actcagatgt gaataatgac aggagtacaa 240
 gttcagtgga cagtgatatt cttagctcca gtcatagcag tgatactttg tgcaatgcag 300
 acaatgctca gatccctttg gctaattggac ttgactctca cagtatcaca agtagtagaa 360
 gaacgaacgc aaatgaaggg aaaaaagaaa catgggatac agcagaagaa gactctggaa 420
 cg 422

<210> 2143
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 2143
 ggcacgagaa taaattgtgg aactgaagtg gattaattca gcacattttt gtgacccctcc 60
 tatttgtctt tggggatctc ggtatggctt tgtaagacat gagtaagcaa gtctctccct 120
 gacccaagag tgcagggtcat gttgtatatg gctctgtctg tccccatagc ctggagggtat 180
 tcccgaaggt ctttacctaa gttgcctcta tttcaccatc catcccatag aggagtgcgc 240
 agctcatggc tgagtgggtc ccagcagtg aggaagcaga aatcattagg acccttgcaa 300
 agggaaaaacc ttctaaagag aaggctgtgc ggtgagcagc agccatgggc ccaagcctcg 360
 cccttctcac cagccacgtg gcgcctgctg ccgggacgca tccacgggta aggggtt 417

<210> 2144
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 2144
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 tttgcagttg gccttggcag aattgtatga agatgaagtg aagtgcaaact cttccaagtc 120
 taatagacct aaagccacag tcttcaagag ccacggaca ccacctcaac ggttttactc 180
 aagtgaacat gaatacagtg gattaaatat agttcgacct tcaactggga aaattgtgaa 240
 tgaacttttc aaagaggcaa gggaacatgg ggctgtccct ctgaatgaag ccacaagagc 300
 ttcaggtgat gataaatcta agtcatttac aggtggagga tacagattgg gtagttcttt 360
 ttgtaagcgg tctgaatata tctatggaga aaatcagctg caagatgttc agatttt 417

<210> 2145
 <211> 419
 <212> DNA
 <213> Homo sapien

<400> 2145
 ccgaattcac cccgaactgc tggccaaaaa gttagttacc aaaggcaagt cggaaacgat 60
 cctctcccca cccccagaga aaagaggcag gaaggccacg tcaggcaaga aggggggggaa 120
 gaaatccaag gctgccaaac cacggacgtc caaaaagtcc aaaccaaagg acagcgataa 180

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agaaggaact tcaaattcca cctctgaaga tgggccaggg gatggattca ccattctgtc 240
ttctaagagc cttgttctgg gacagaagct gtccttaacc cagagtgaca tcagccatat 300
tggctccatg agagtggagg gcattgtcca cccaaccaca gccgaaattg acctcaaaga 360
agatataggt aaagccttgg aaaaggctgg gggaaaagag ttcttgaaa cggtaaagg 419

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<210> 2146

<211> 418

<212> DNA

<213> Homo sapien

<400> 2146

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tttgcagatc ccctcgattc gaattccggt gctgtcggca acttgaccga agatttagaa 60
gagaatttag aaagcacagt ctatgatgag tataaatttg gcaccaagaa agaccttgaa 120
aatttagggc tcacccacct cattggatct cctttcctcc gggcatatat gcatgggttt 180
ttcatggata taagactcta tcacaagggt aaactgatgg taaatccatt tgcttatgaa 240
gaatatagga aagataaaat acgacagaaa atagaagaaa cacgtgcaca gagagtccag 300
ctaaagaaaa tgccaaaagt taacaaagag ctggcactta aattaatcga tggagaagag 360
gagaagcaga aatctacatg gcaaaagaga gttaacaacc ttctaacat tctcaccg 418

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<210> 2147

<211> 422

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(422)

<223> n = A,T,C or G

<400> 2147

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ggcacgagga gacaaattaa ggatgaaact cttcaggctg cagttagaga aattttggcc 60
ctaattggct atgtggatcc agtgaaaggg agaggaatcc gaattctctc aattgatggt 120
ggaggaacaa ggggcgtggg tgctctccag accctacgaa aattagttga acttactcag 180
aagccagttc atcagctctt tgattacatt tgtggtgtaa gcacagggtgc catattagct 240
ttcatgttgg ggttgtttca tatgcccttg gatgaatgtg aggaacttta tcgaaaatta 300
ggatcagatg tattttcaca aaatgtcatt gttggaacag taaaaatgag ttggagccat 360
gcattntatg acagtcaaac atgggaaaac attcttaagg ataggatggg atctgcactg 420
at

```

<210> 2148

<211> 413

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(413)

<223> n = A,T,C or G

<400> 2148

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gtccgatgct gtcgctgtcg tttaggcttt agtgcnaagag cacgagcttg gctcacgtgc 60

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aacctccgcc	tcctgggtta	aagagattct	ctcagctcag	tctcccaggt	agctgggatt	120
acaggcatgt	gccaccacac	cccgctaatt	tttgtatfff	tagtagagac	ggggtttcac	180
catgttggcc	aggctgggtct	caaattcttg	atctcaagtg	atctgtccgc	cccggcctcc	240
caaagggtcg	ggttgggatt	acaggcgtga	gccaccgcgt	gcgggtcagg	acccagtttt	300
ggctgctggc	tcccagcacg	ggactcgggg	gatatacagt	ggctgcacca	aattgtaggt	360
gtgggttcct	ccaattccct	taatgttagc	gggatataca	gatgctagaa	caa	413

<210> 2149

<211> 415

<212> DNA

<213> Homo sapien

<400> 2149

ggcacgagcc	agctacactg	gaggctgagt	caggagaatc	acttgaacgt	gggaggcaga	60
ggttgacagt	agtggagatc	gcaccactgc	cctccagcct	aggtgacaga	atgagactct	120
atctcaaaaa	aaaaaaaaaa	gggatttcgg	gggggggggg	ctcttatggg	ggcccaaccc	180
catggatacc	cggtaaaatt	ttaggaaaaa	aacaaaggaa	gacccccgcc	ccaaaaccct	240
tttggcccc	ctcttcttt	aaaacccagt	tttttcagtt	gtggaaaaaa	gagctcccct	300
tgagtcgggtg	gcaaaccgtt	tattttttta	aagcccccac	ctttttttta	aaaaattctt	360
ttggaaacgg	ccaggagtaa	aaccaggggt	ggaaataaga	aaagggctcc	ctaaa	415

<210> 2150

<211> 411

<212> DNA

<213> Homo sapien

<400> 2150

ggtgtcttga	actctggcac	tgtacagtga	aagtgtctgt	agttgtgtta	gtttgcatta	60
agcatgtgta	acattgaagt	atgtcatcca	aataagaggc	atatacattg	aattgttttt	120
aatcctctga	caagttgact	cttcgacccc	cacccccacc	caagacattt	taatagtaaa	180
tagagagaga	gagaagagtt	aatgaacatg	aggtagtggt	ccactggcag	gatgactttt	240
caatagctca	aatcaatttc	agtgccttta	tcacttgaat	tattaactta	atttgactct	300
taatgtgtat	atgttcttag	attagaataa	tgcaacttcg	agtatgcttt	aatatttcaa	360
tattcaagtt	acaaatgtat	aaggcagtta	gaaataatac	agtcacatgt	c	411

<210> 2151

<211> 416

<212> DNA

<213> Homo sapien

<400> 2151

cgttgctgtc	ggcatggggt	tgtagatttc	tgaaacttag	aggtcattta	gctaaaatct	60
acattttttt	taacttttta	tatgattgaa	atgatatttt	acactgtatc	acagatacag	120
tattttatat	aactttttgt	aactgacctt	atcttggcct	tgagtcccat	cctctctggt	180
ggtagcgtaa	aactgaaaat	tccagtttgg	gtcaatatatt	agtgaaagtt	ctactttctt	240
ttcagagagt	ttgttcccc	ctttcttcct	tagatgtttt	caaacacaca	gccccatcct	300
actcaaacca	agtgaagcaa	gagtggacaa	ttctagaatt	ggctgtgcca	tgtagggttt	360
ttttagaatt	tgaactgatt	tccttcattt	tgatgaggtg	gcaactgtcc	ccattg	416

<210> 2152

<211> 411

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 2152
ggcacgaggt caccaggt ggagtgcagt ggcattgtca cagctcactg cagccttgac 60
ttctgggct caggtgattc tcccacctca gccttccaag tagctgggac tacaggcatg 120
caccacattg cctgggctaatt tttttgtgga gatgggggtt cggcatgttg tccaggctgt 180
tcttgaactc ctgggctcag gcaatttgcc tgccctcattc tcccaaagcg ctgggattat 240
aggcgtgagc cactgcgccc agccttactt attttttaaat cagatttttt aatcaactaa 300
aacagctatg agttaagtac ctgccctgca aaaattttta gaagaagttc taggattatg 360
aaattaagaa ttatttttct taactggaac agttctaana tttatctgat n 411

<210> 2153
<211> 411
<212> DNA
<213> Homo sapien

<400> 2153
tctaggatcc tatcgatacg aattccggtg ctgtcgggtt tagtagatat atctgatagt 60
tcagtaatta attcacctag ttgtattagc tcatactcat acaccacaca cgctggccaa 120
aaccattg agcaaatgtg ggcaacaaaa aaaatcagct ttcaactggg gagagccacc 180
ttgcaaaagt gattgttcct ggtaagtcct ctcaagaatt gaaagatatc atgccttgcc 240
tctgaacaat gcaaggaaag aggccttgctg ctgaacatag acagtaaagt ctaaactttt 300
tatagcctta gataatgggt tctttgggaa agaccttaaa ataggagtta ctggggaatg 360
tttattaata atcacgtagt gctgagaagg aggatgtctt aaaaaccaga c 411

<210> 2154
<211> 415
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(415)
<223> n = A,T,C or G

<400> 2154
ngngggagca gacgcgtgag atcaaagtgg ccgggaccaa agcggacagg gtccaacgtg 60
ccagcactgc caagagaagg ccttttgtac tcagggttaa taagaacatc ctgcaaggag 120
tctgttcttt tatgcagcct aaagatcaag taataatcat tgacactgat actgagcatg 180
tcgattttga agagactagc atttctggt aatgaagtgg agtatatatc catatatttc 240
tgttttctgg atgagaagac taacctaaact aagtaggaac cttgaagaat catgttcttc 300
ctaggaatta caaatcccc gaatccatgt ctaacataat ttctactggc ctctttgctt 360
ctcatgcttt agtaccaggg cttctgaatt tgaaagtctt catgcaaatt gcccc 415

<210> 2155

<211> 413
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(413)
 <223> n = A,T,C or G

<400> 2155
 ctgctgaata gcccttctc acgacgtccc gcagcggttt acaggtcatg catgaaggag 60
 tggttgggtt ggcttgagtt ctttcttctc ctcacagttg aaggcacgtt taatgcttgg 120
 agggtgagaa gaagctgcag gaaggtgggtt ggtatattgg aagaaatatt tttgcagtca 180
 ttaaaaaatg tagagcatat ctaatgatag agaaaatgtt tattccacag taataagaat 240
 ttgcatatac agggtgatta taatcctgca aaataaaaaa tttattggga taataaaaga 300
 ctgacaggaa aatttttaaa gtgttaacat tggttatgtt tgggttgggtg aggctgggtg 360
 attttttagaa atttacaaca gagagaagtt gtggganaaa gtatacgtaa gtt 413

<210> 2156
 <211> 414
 <212> DNA
 <213> Homo sapien

<400> 2156
 ggcacgagca gaagaacatc tattatatcc tatttataaa tcttcctctg ggaaaaggag 60
 tggtttctgg ctgaatacta tcttaggtc aaggagaaac aaaataaaaa ttagcttcca 120
 ggcagcctgt ttttaaagaa atgggactaa tgggagaagc tgtttgtcac tctaagagca 180
 tccaagccct ggcccgctg tgcactcttg gtcctctggg agatatactt gccttctaag 240
 aaggcaggcc aggtcttggg cacagacctg catttggtga ccttgcactc caactatagt 300
 gccttgcaag tgctcaacag tacatatagg aatgaagtcc ctatgagagc catttctggc 360
 catgttctat acctcaaagt gaggtcggca ggtacagaga tgaactgtac acag 414

<210> 2157
 <211> 415
 <212> DNA
 <213> Homo sapien

<400> 2157
 cggcagagc accggtctac ccagaaactc tatggcatat atgtaattaa tgtgcagtgc 60
 caattctgtg agtatgatgt gtgcatggag ccagccaaaa ctctgattga atttcagaac 120
 tgggacactc tcttgttttg cattcaggaa ggagtgaata tgtttttaaa gcaagaaaaa 180
 ttatttgttg aattatcagg tgaggatatt aaggaattta gtgaagataa tggttttagt 240
 ttatttgatg ctactcttca gaagcgtgtg acttccgatg agaggagcaa tttccaggaa 300
 gcatgtaata atattttaga ttcttatgag atgtttaatt tgcagtcaaa agctgtgaaa 360
 agaaaaacta ctgcagaaaa cgtaaacaca cagagttcta gggattcaga cgcta 415

<210> 2158
 <211> 413
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(413)
 <223> n = A,T,C or G

<400> 2158
 tctatgttga ctgtattgtg ttagaagcac attatcactt cgtcacaatg cccgaccccc 60
 accccagtaa ttatccagac gcatggccca cctggcacac aggaaatggt agagctggaa 120
 tgatgggact cctctcacia atgtattctt cctttcctcc tttcccagacc atcctttgct 180
 atgtacatgg ggggtttcta ccagggtccag tagagcacia cagcacttaa ctcaggcctt 240
 gaactgtgtt tgggttggtt tctttgattg aattattctc agaagggctg tgttgccagg 300
 ccctgtgggt tgatcatgtg accgcctttc tgacaaaatg tctgccgcca tctttatttg 360
 caggctaatt gaagtgctaa gaaatctggt ggggacttta agcctacttc ccn 413

<210> 2159
 <211> 416
 <212> DNA
 <213> Homo sapien

<400> 2159
 ctgcagccaa gttcttaggg ttccgtaagc gctgcatccc caggagcctc tgcctcagtg 60
 agtgtcctct ggagcccca agcctcaccg gcctctgtgc cactctgaag gactgcccgg 120
 gacccctgga actgcaattg tcctgtgagt tcctgagtga ccagagcctg gagactctac 180
 tggactgctt acctcaactc cctcagctga gcctgctgca gctgagccag acgggactgt 240
 ccccgaagg ccccttctct ctggccaaca ccttaagcct gtgtccacgg gttaaaaagg 300
 tggatctcag gtccctgcac catgcaactt tgcacttcag atccaacgag gaggaggaag 360
 gcgtgtgctg tgggttcaca ggctgcagcc tcagccagga gcacgtagag tcactc 416

<210> 2160
 <211> 412
 <212> DNA
 <213> Homo sapien

<400> 2160
 ggcacgaggt ggcctatgcc tcctacatcc caggatccat catctgggccc aagcaatacg 60
 gttacccctg gtggccaggc atgatagaat ctgacccctga cttaggggaa tattttcttt 120
 ttacttccca tcttgattcc ctgccgtcta agtaccatgt gacgtttttt ggagaaacag 180
 tttctcgtgc atggatccca gtcaacatgc taaagaactt ccaggagctg tccttgaggc 240
 tatcagtcac ggaacgggtt aacttgtttg gtttctggag ccgattcaac ggatctaaca 300
 gtaatgggga aagaaaagac ttacagctct ctggtttgaa cagcccagga tcttgcttag 360
 agaaaaagga gaaagaggaa gagttggaaa aggaggaagg agagaaaaca gc 412

<210> 2161
 <211> 412
 <212> DNA
 <213> Homo sapien

<400> 2161
 cgttgctgtc gacagcgggt gtctcatttc tggaaaatct cttgtgtttg caactatgga 60
 gctgctgatg ttcatthtag tacggcatat gccacatctc agtaccaggg tgctcagactc 120
 tccaagtcac atagccacta aaactcgact atcagaagaa agtgctcggt tgggtggcagc 180

cacagttacc	atactctctg	atttaccatc	cctttgttca	cccgttggat	gtatgacaat	240
cctgcccaca	attctgttct	taattgcaag	aatattgaaa	gacacagcaa	taaagtctgc	300
agataatcag	gttcctccac	cagtcagtgc	agctcttcaa	gggattaaaa	gtattgtgac	360
actttcaatg	gccaaaactg	aggctggcgt	tcaaaaacag	tggacagctc	tg	412

<210> 2162

<211> 411

<212> DNA

<213> Homo sapien

<400> 2162

ggcacgagaa	cctgtcccag	acctacatgg	ccatgtacct	cacctactcg	ctccacctgc	60
ccaagaagtt	catcgcgacc	attcccctgg	tgatgtacct	cagecgcttc	ttgtcctcct	120
tcctcatgaa	gcccatcaac	aagtgcattg	ggaggaacat	gacctacttc	tcaggcctcc	180
tggtgatcct	ggcctttgcc	gcctgggtgg	cgctggcgga	gggactgggt	gtggccgtgt	240
acgcagcggc	tgtgctgctg	ggtgctggct	gtgccaccat	cctcgtcacc	tcgctggcca	300
tgacggccga	cctcatcggc	ccccacacga	acagcgggagc	gttcgtgtac	ggctccatga	360
gcttcttgga	taagggtggc	aatgggctgg	cagtcatggc	catccagagc	c	411

<210> 2163

<211> 415

<212> DNA

<213> Homo sapien

<400> 2163

ggcaacagcc	tgggtttgag	ccacaaagcc	tttagtttga	accccaaagc	cccagatttg	60
agcctgaaag	cccgggggtt	gagtcgccga	gccctgggct	tgtgccccca	agccctgagt	120
ttgcaccag	aagccctgaa	tcagattctc	agagccctga	gtttgaatcc	cagagcccta	180
ggtatgaacc	ccaaagccct	ggctatgaac	ctcggagccc	cgggtatgaa	ccccggagcc	240
ctggctatga	atctgagagc	tctagatatg	aatcccagaa	cactgagctc	aaaacccaaa	300
gcccagaatt	tgaagctcaa	agttccaaat	tccaggaagg	tgcggagatg	cttctgaacc	360
ccgaggaaaa	gagtcctttg	aatatctccg	taggagttca	ccccctggac	tcctt	415

<210> 2164

<211> 412

<212> DNA

<213> Homo sapien

<400> 2164

cgcacgagaa	aaagtgttac	cacttcagca	tcaggaagtg	aaaatcttac	tcttattcaa	60
caggaagtgg	atgcttttga	agaattaagc	aggcagcttt	ttctggaaac	agctgatcta	120
tatgctacca	aggagagaat	agaatactcc	aaaaccttca	aggggaaata	ttttaatttt	180
cttggttact	ttttctctat	ttactgtgtt	tggaaaattt	tcattggctac	catcaatatt	240
gtttttgatc	gagttgggaa	aacggatcct	gtcacaagag	gcattgagat	cactgtgaat	300
tatctgggaa	tccaatttga	tgtgaagttt	tggtcccaac	acatttcctt	cattcttgtt	360
ggaataatca	tcgtcacatc	catcagagga	ttgctgatca	ctcttaccaa	gt	412

<210> 2165

<211> 407

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(407)
 <223> n = A,T,C or G

<400> 2165
 ggcacgagga gatgtgatgt atgctttata aggctcatca gccatgcgag agcagcgatg 60
 gtggcccagg ccccgactgt aggagctgaa agacaggcga ccacaccaca ttacaggagg 120
 gtgagaggaa cggatgcgga gaggttctga acttgtaggt caaaatgtga aattcgaaag 180
 aataccctaaa aaacctaaaga aaattttgta aaggaaaata gatttattat taagcacatg 240
 aaaagatgcc caacatcagt agccatcagg gagatgccaa tcaaaaccac aatgagatac 300
 cacctcacac ctggggctgt cagaaaaaag gcagtaacaa gtattcgcaa ggatgtggag 360
 aactggaac tcttccacac tgttgatggg aatgtaaaat ggngcag 407

<210> 2166
 <211> 405
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(405)
 <223> n = A,T,C or G

<400> 2166
 ggcaccagat cacatgtatg atttatTTTT aatatttgat aggaactagg tttcagtga 60
 atgatttgaa agcatagcag gatgtggctt tttaaattta tgaaactttc gaacagtagc 120
 aactgaaatt tgtcactttt ctgttacgca gagaatcaga ccttttgata atatttgga 180
 gggtaaaaga aatatgccaa atatgaaact tttttgtcag cactacatac atcttttttt 240
 tgcggggggc gggggggaca gagtctcact gtgtcactca gactggagta cagtgatgcg 300
 atctcggctc actgcaacct ccgcctcctg ggttcaagcg attctcctgc ttcagcctcc 360
 tgagtagctg ggattacagg tgcacaccac cagccccggc taatn 405

<210> 2167
 <211> 408
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(408)
 <223> n = A,T,C or G

<400> 2167
 ncttctaatt ccgcacgagg agagagagag agttagagtt tgagagagag agagagagag 60
 agagagagag agagagagag agagagagag agagagagag agtgcgagag ttagaccag 120
 agagagaggg ggtgtttgct cttgattgcc cccgcccctc cctctctttg ggattttttt 180
 ttttcttttt tttccgagct cttgactttt ttttttctgt tgccgcccc tttatcgttt 240
 tctctttttt tactctttac cttttttttt ttttctgcgc gcacactttt tttttatccc 300
 ttttttttct ctccctccct ttttgggtgc ctctcttttt ttatttatat atttgtgtgc 360

acgatttttgt gcgcggttttt tttttttttt tttgtcctct ctctctgt 408

<210> 2168

<211> 408

<212> DNA

<213> Homo sapien

<400> 2168

ggcacgaggg	ggcgtagcag	aggaggatag	gtagagaagt	accatttttaa	ttattttgtga	60
cttgtggctt	ccttcctcct	ctcctcctcc	ctccacgtct	ctctttgccc	ccttttagaca	120
gaaggtgcag	aaaagggcat	caaaaagagg	ctggattttt	taaaaggcag	ctttccaact	180
ttgcacacaa	acaggtaaca	ggaaggtaga	gcaaaaatcc	tctcatctga	aacactgtca	240
gcagaaacaa	aacctgtaaa	aatgactaat	cagctgcaca	tattgatgct	ctctgcaagt	300
tacctttaag	tgtttttttt	cttatacttg	aagttgcttt	tacgatatta	ttttggtggc	360
tttcttttct	ctctttgatg	ggcaatagag	gaagtagata	atggggatt		408

<210> 2169

<211> 405

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(405)

<223> n = A,T,C or G

<400> 2169

ggcacgagct	cagnannect	ctttcaactc	tagtttttga	ggtggggaca	caggagggtcc	60
agtgggacac	agccactccc	caaagagtaa	ggagcttcca	tgtttcattc	cctggcataa	120
aaagtgtcta	aacacaccag	agggggcagg	caccagccag	ggtatgatgg	ctactaccct	180
tttctggaga	accatagact	tcccttacta	cagggacttg	catgtcctaa	agcactggct	240
gaaggaagcc	aagaggatca	ctgctgctcc	ttttttctag	aggaaatgtt	tgtctacgtg	300
gtaagatatg	acctagccct	tttaggtaag	cgaactggta	tgtagtaaac	gtgtacaaag	360
ttaaggttct	tgtggtttac	ccatctgaaa	tatgtttcca	tcaca		405

<210> 2170

<211> 408

<212> DNA

<213> Homo sapien

<400> 2170

cgttgctgtc	ggcatctttt	atgtacacat	gtctattcag	actttatcct	catgatttca	60
gaaaaaatat	agagaggggc	ctagactgct	taatagagga	aagaagtatc	ctggaaagct	120
tgtaagaac	gttctagagc	cacaacatga	tttagaggcca	agggcttggt	tttgtgacct	180
tgatctaaga	taatgccatg	gttgattgta	tgtaggaaga	atctttgatt	ggaatttgga	240
gtaatatata	ggtagtttgc	cttttctgca	gacattttta	ggagtctttt	tgtgtgagtg	300
gtggtggagt	gtatagtttt	gttgaaccta	gctaaattct	gaatatcttt	ccactaaaag	360
cacaacaaat	ctatttacag	tgctgaagc	ctgggagagc	cacatgat		408

<210> 2171

<211> 406

<212> DNA

<213> Homo sapien

<400> 2171

```

ggcacgagag tacttttgat aataattcac tctgtgcgat attcctgaat aagtcctatct      60
caaaagtttg ggattttcct cctcttaact ttcttaatat ttggacatgc cgctgtcgcc      120
aaacttgggt attcatggaa tttctagtaa atgaaatacc tatactttga tactgaagac      180
tgccaaatac ataggaatct tctttcttaa aaaacagtaa tgaagactat atctcctttc      240
ccagcactga atgttttact agcactgggt gctcaccatg caactgaaga aaatgtggaa      300
actcaaaagg tcaggacaga cttccaagca cttgcaactg atgttactgt cttcaatttt      360
aataattaca catatttgta tatttcacag aagcttttaa tatttc      406

```

<210> 2172

<211> 405

<212> DNA

<213> Homo sapien

<400> 2172

```

ggcacgagct caggtctcct aacttgcccc cattttactt tggggtccaa ggacaggatg      60
gtcaacaggg caggttgagc agcgtgccag cgccgcgcag ggccacctcc ctgggtggat      120
gcatcacact aaggaagtga gtgccaaggg gatttagtgg tgtggttctt tcaaaggag      180
gtcaggggtca atgggaatct gctcggacac tcaacatggg ggtgggtgca ctcttggag      240
gaggaggaac acgttcaggg gattgtgagg tcttgcaaaa gccacgtggg gcaccttggc      300
ttcccggcag gaggtggaca cccagccaga ggcttggtc aaggtgacct caccttcacc      360
atgggcttcc tgggtgcgcg ggctgagcg caggttggtt tgtac      405

```

<210> 2173

<211> 409

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(409)

<223> n = A,T,C or G

<400> 2173

```

cgggtgctggc gctttcattg taaaaataat atgtactttg caccacttaa aaaaaaaaaa      60
agaaaaaaaaat tcctggggggc ggttttctcc gatattccgc acttgtaga aacctttgg      120
gtgttggggc aacccccccg tgaagggcgg ggaaaaaaag gctttttttg gaaaattggg      180
ggggctgtgg ctttttttga acccattgta aggggcataa agcaggttac caccaccatg      240
ggcattcttt tttggttaca gggtcggggg gggggggggg aaggtttcaa nattgcctac      300
gggagaaaaa aagaaaaacc tcagcttgca aatttttgtt cagagatggg atcgttcttt      360
gtcgttgagg ggatttacat taaaaaaatt cagagatat tgctcatgg      409

```

<210> 2174

<211> 410

<212> DNA

<213> Homo sapien

<400> 2174

```
<210> 2175
<211> 408
<212> DNA
<213> Homo sapien
```

<400>	2175						
cgttgctgtc	gggggctgcc	cagcacctgt	cattcctgctg	ggatcaggtt	ttcttagtgc		60
ttgagaagac	tcaagagggc	ctgtcccatg	ccattgtttg	ccttaagagc	aagtgattcc		120
agaagaggag	tgggcaccac	tctcatccag	aggcccgctc	tgagaggcaa	gtgaggctgt		180
gctctgtgcc	tgggctcccc	caggtggcac	ctgtcggctc	gtggacctgg	ttgaggcaag		240
gatgcccatc	tggacatgga	gccgacacag	gtagtcaggg	ggccagcggg	acgcttacca		300
acagctgtct	tttccccacc	tcagaatagc	attcctttcg	aacaccacgg	caagtagctg		360
ctcgtctccc	atcggaaagg	aqcactggat	tcttggtcgg	gtggcttn			408

```
<400> 2176
ggcacgaggc aagttatttc acttctctgg ctctgtgtac tcagtttgtga aacacgcgata      60
atgtgtaact cagttttgcc ttaaagatta aatgatataa tgttttaaaag tgcttagcac      120
tgtatgagtc atagtattca ataggtgggt gctgatgttg ctattatagc attaaactttt      180
cagagatgaa ggtagaggcc agacatctta tttcaaatat cattgtaact ttaaaaaatcc      240
cagtaaatgt tgctgttcg gtatacagtc aaaatctccc aaaacaaatc cacaaaaacag      300
aagtgtaggg tgggacacag gtgcatctgg tgtttcgtaa gtatgagctt agatatggag      360
tgtggtagaa aaagaatgaa gagaggataa tggaggaagg gaaaaa          406
```

<400>	2177								
ggcacgagct	gggaagaaaa	gcacaaagca	acccgtacta	taatgggtccc	catcttaatt				60
tgaaagcggt	tgagaatctt	ttaggacaag	cactgacgaa	ggcactcgaa	gactccagct				120
tcctgaaaag	aagtggcagg	gacagtggct	acggtgacat	ctgggtgtct	gaacgtggag				180
aattttcttc	tcctccaaag	caccataaga	gagaagattc	ctttgaaagc	ttggactctt				240

```

tgggctcgag gtcattgaca agctgtcct ctgatatac gttgagaggg gggcgtgaag      300
gttttgaaag tgacacagat tcggaattta cattcaagat gcaggattat aataaagatg      360
atatgtcgta tcgaaggatt tcggctgttg agccaaagac tgcgtt                      406

```

<210> 2178

<211> 407

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(407)

<223> n = A,T,C or G

<400> 2178

```

cgttgctgtc ggacttggca ccctctgtgt cctggggccc ctgccagct ggctgggcca      60
cctgctgtgc tggcttcac ggccggcccc aagacggagc tccaggcccc tatacagga      120
gtgcgatccc acggcagtgg gcagtcctgt cccgcgagcc cggcccttag tctgagtgg      180
gctgacctct aactgtggac gccatgctcc atcctcctgg tgggtggcgg cggggcgggg      240
ggggcggcca tgctgggcag cccacacaag ccactgtcac ctgctgtcgc cacctggccg      300
accctggttg attggggaat gctgtcagcc ccgcagcccc tgtggccata tctggggccc      360
gagcttgtgc tggtgctgc tggagactgg ctgggttaag gctgccn                    407

```

<210> 2179

<211> 405

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(405)

<223> n = A,T,C or G

<400> 2179

```

cgttgctgtc ggttgcaggg ccctggaggc caaggccacc ctgtgtgggg tccctgttgg      60
cagccaggtc cctacacaaa caagtaatcc tgtttggcct cctaggtttt gcatatgacc      120
tgcagcctaa tttgggggtgt aggggaagct ctgctggccc ttgtcccttt gtatgttggg      180
tgactttaat ggctggccac atacccttt ctcccagcta ctcatcact gacttgggta      240
agttctaaga cagttcgcac ttagaaaaga atgtgacaca tcaacattaa cttttcctga      300
aaagaagagt ttgcctaaca tggctctaaa gaagcttggg atttataaga ctttccttta      360
taagatatag tgggggtttt tttgggtgga ggggggtttg tttng                      405

```

<210> 2180

<211> 409

<212> DNA

<213> Homo sapien

<400> 2180

```

ggcacgaggg aagctcccca gtgtcctgga ggctgtctgg ctggacgacc cctgcctct      60
ggaaccaagg gtgaccaagg ctggcgccac catggctctg ctgccgtcac ctccctccct      120
tagcattgag cagccccgga ggggctagcc ctgaggctga cctgcccata ggccccacca      180

```

tcgcgctgct	tagtggcctc	tccctgcagc	ctgtcgttgc	tgggggcggc	atggccttct	240
gtctgtcgag	cgaggagccg	cgccgcccgc	tgcgaagcga	catgagccac	ttccaagcct	300
cggaagccca	gcaggtgcta	cacaacaagc	tcgaggtcat	cctgggggac	tccattcaga	360
gggctgagta	caaggacctg	ctgctcttgc	tccagaaaga	ctcactgct		409

<210> 2181

<211> 408

<212> DNA

<213> Homo sapien

<400> 2181

ggcacgagga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	120
gagagagggt	tttttcccc	cttgtgagag	agcctctgtc	tctctcccc	ccccctct	180
ctcttggtgg	gctcgactg	tgtcaccccc	ccccctct	ttttttttt	ttccccccc	240
cacacacact	atctctcccc	acagagagtc	gcgcgcgctc	tctctagggc	tctctctctt	300
ttctggggcg	tctaaaaact	ccccccccc	cctcaaaaaa	aacacccccg	cgagtctctc	360
tcacaccccc	acccccccc	ccacatagtg	ttttctcccc	tccccgcg		408

<210> 2182

<211> 406

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(406)

<223> n = A,T,C or G

<400> 2182

ggcacgagac	ggagctggct	gccagccca	aaggcccatg	aggggatgca	gttatgggct	60
ctgtcgccgt	ggattgttat	tttgtgtcac	taagtaatcc	ataaagcgcc	aacatgggaa	120
agaaacggac	aaagggaaaa	actgttccaa	tcgatgattc	ctctgaaact	ttagaacctg	180
tgtgcagaca	cattagaaaa	ggattggaac	aaggtaatat	gaaaaaggct	ttagtgaatg	240
tggaatggaa	tatctgccaa	gactgtaaga	ctgacaataa	agcgaaagat	aaagctgaag	300
aagaaacaga	agaaaagcct	tcagtttggc	tgtgtcttaa	atgtggccat	cacggctgtg	360
gcagaaattc	tcaggagcag	catgccttga	agcactatct	gacgcn		406

<210> 2183

<211> 409

<212> DNA

<213> Homo sapien

<400> 2183

gtggggactg	gaccgcccga	cctgccatac	ccgtttctta	cggggctcgt	cgccgccagt	60
agccgcagcg	gcgcactctt	gggcctcgcg	ccggctatgg	ccgggccctg	gggctgagcc	120
ctcagggtgt	gaccgagatt	cccgcagaga	gatactgagg	ggaagagagg	aaagaggggc	180
gggctcctgg	ctaggcattc	tctcctgagc	ggaatcctgc	taagatggag	aaggaggaga	240
caaccgggga	gctgctgctg	cccaactggc	aaggtattgg	cttcacggg	ctgatcatcg	300
cccagaggga	cgacggcgtc	tttgtgcacg	aggtgacgca	gaactcccct	gcggccccga	360
ctgggggtgg	caaggagggg	gaccagattg	tgggtgccac	catctactg		409

<210> 2184
 <211> 407
 <212> DNA
 <213> Homo sapien

```
<400> 2184
ggcacgagga atctcgccca cccgccagaa gtcgtgttga cagatttcca gaccctggat      60
ggaagccagt acaacccggt caaacagcag ctagtgcggt acgccaccag ctgttacagc      120
tgttgtccgc gactggcctc ggtgctgcta tactccgatt atgggatagg agaagtgccc      180
gtggagcccc tggatgtccc cttaccctcc acgatcaggc cagcttcccc cgtggccggg      240
tctccaaagc agccgggtgcg tggctactac cgtggcgctg tcggtggcac gtttgaccgc      300
ctgcacaacg cccacaaggt gatgatcagt gtcgcgtgca tcctggccca ggagcagctt      360
gtggtgggag tagcagacaa agatctgttg aagagcaaga tgctccc      407
```

<210> 2185
 <211> 408
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(408)
 <223> n = A,T,C or G

```
<400> 2185
ggcacgaggc ctgttgcagc catggtgcat tgcagttgtg tgttgttcag aaagtatgga      60
aatttcacgc ataagctaag actcttcacc aggggaggat ccggtggaat gggttatcct      120
cgtttaggtg gagaaggtgg aaaagggtgt gatgtctggg ttgtagccca caacagaatg      180
actttaaaac aacttaaaga caggtatcct cggaaacggt ttgtggctgg agtaggagca      240
aacagcaaaa ttagtgcact gaaaggctcc aaaggaaaag actgggaaat ccctgtgcct      300
gtgggtatct cagtaactga tgaaaatggt aaaattatag gagaactcag taaagaaaat      360
gacagaatct tggtagctca aggaggtctt ggtggtaaat tacttaacn      408
```

<210> 2186
 <211> 406
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

```
<400> 2186
ggcacgaggt ggcctatgcc tcctacatcc caggatccat catctggggc aagcaatacg      60
gttaccctcg gtggccaggc atgatagaat ctgatcctga cttaggggaa tattttcttt      120
ttacttccca tcttgattcc ctgccgtcta agtaccatgt gacgtttttt ggagaaacag      180
tttctcgtgc atggatccca gtcaacatgc taaagaactt ccaggagctg tccttgagac      240
tatcagtcac ggaacggggt aacttgtttg gtttctggag ccgattcaac ggatctaaca      300
gtaatgggga aagaaaagac ttacagctct ctggtttgaa cagcccagga tcctgcttag      360
```

agaaaaagga gaaagaggaa gagttggaaa aggaggaagg agagan

406

<210> 2187

<211> 410

<212> DNA

<213> Homo sapien

<400> 2187

ggcacgaggc	ctcctccatc	ttcttccacc	tcatgacctg	tgtgctgagc	cttgggtgtgg	60
tcctaccctg	gctgcaccgg	ctcatccgca	ggaatccctt	gctctggctt	cttcagtttc	120
ttctccagac	agacacccgc	atctacctcc	tagcctattg	gtctctgctg	gccaccttgg	180
cctgcctggg	ggtgctgtac	cagaatgcc	agcggtcac	ttccgagtc	aagaagcacc	240
aggcccccac	catcgccgca	aagtatttcc	acctcattgt	ggtagccacc	tacatcccag	300
gtatcatctt	tgaccggcca	ctgctctatg	tagccgccac	tgtatgcttg	gcggtcttca	360
ttctcctgga	gtatgtgcgc	tacttccgca	tcaagccttt	gggtcacact		410

<210> 2188

<211> 405

<212> DNA

<213> Homo sapien

<400> 2188

ggcacgagat	cacttaaaaag	cgtaatggat	gattttggaa	ccattgagtc	aacattttat	60
gacattataa	aaaataagaa	gctaattctg	gactttgtac	tgaagcagga	catgccatta	120
ctaggggctg	agaagagaaa	gaggacaacg	gtagccaaat	atggatgatg	agatgatgcg	180
gactacatgt	ggtaccaaca	gaaacgctca	gccgggtgta	cggcaagagg	cgtggagctt	240
caagctgctg	cagagagatt	tgcacgggtga	tttgggcgaa	cagatttcaa	agctagcact	300
ggttggcttt	ttacatttcg	aaatcggcat	gcaattggga	accgaaaagg	atgtggggaa	360
caagtcctaa	gttcagtttc	tgagaatgtt	gagccatttc	gacag		405

<210> 2189

<211> 406

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(406)

<223> n = A,T,C or G

<400> 2189

cgttgctgtc	ggcaacttgt	acggatttgc	ccttttacgt	agacgggctt	tacagttaga	60
agagcttaca	ttatgtaagg	acacacctga	taatgctcgg	accctcaatg	aactgggtgt	120
tctctactat	cttcaaaaata	acctggactc	tatgcaatga	aaagaaacag	tatgataaag	180
cagaagaact	ttatgaaaga	gctttagata	ttcggagacg	tgcattagct	cctgatcacc	240
cttctttggc	atatacggng	aagcatcttg	ccatcttgta	taagaaaatg	gggaaacttg	300
acaaagctgt	acctttgtat	gaattggctg	ttgaaattcg	acagaaatct	tttggcccaa	360
agcaccctag	tgtagctact	gccttgggtga	acttatctgt	tcttta		406

<210> 2190

<211> 399

<212> DNA

<213> Homo sapien

<400> 2190

cgctgctgtc	ggcacttaga	ttttggagac	atcaagcaga	tgttttcaaa	aatgattgtg	60
atcaagaatc	tgaattataa	tattcacagt	ctgctcccca	acccagtgat	gccaaactgta	120
cagatgcgcc	tccactaagg	ggcatatgcc	acgctcgtct	gaccctggaa	tgaggatgta	180
cgaagcaggc	agagctccgg	ttcagccctc	acaatgggac	tgaagcacga	gagaaggctg	240
ggcacaaggg	ctgtgtggaa	gtagggcttg	tctccatgga	tgacgtccag	aaggatgtca	300
tgaggaggaa	tatcacacgt	gttatacaca	ttggagggaa	cagagactgg	cacaggacct	360
cttcattgca	ggaagatggt	agtgtaggca	ggtaacatt			399

<210> 2191

<211> 404

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(404)

<223> n = A,T,C or G

<400> 2191

ggcacgagga	agagttgtag	gtactaatgt	tgggtcaatt	ttccaggtaa	attaaccaag	60
ccagagaagg	gtaagttact	tgctaaagtc	atgcagtaac	atcgatttct	cattctcctt	120
cctgcacctg	tctctcctaa	tagaatggca	tcctctcaat	acagtttttt	ttttatggct	180
agcacatagc	atggtgcctt	gcacatagtt	gttgctcaaa	aagatgtttt	tgttcaacaa	240
aaagtgaata	aatcttttaa	aaaggaataa	tggcttcatc	catgtccata	tggaagtcac	300
agccagtaag	gaaatgaatt	tctggactaa	ttcatataaa	acaaaggggc	aagtttagtg	360
gtggagatat	tggaaatttt	tataggcatt	tggtagagca	caan		404

<210> 2192

<211> 403

<212> DNA

<213> Homo sapien

<400> 2192

ggcacgagga	gagagagaga	gagagagata	gagagagaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagaga	gagagagaga	gagagagtgt	gtgtgtgtga	gagagagaga	120
gagagtttct	ctctctctgt	ggtatatata	tacacccact	ctctcttctt	tctctctaga	180
cacacaaagc	ggctctctcg	cgggttttac	ccacgctctc	ttccccccag	aatatactgc	240
gcgctttccc	ctctctgtga	tatccgcgcg	cgcgcgcacg	tgggatatat	tctctctctc	300
tctctgcgcg	cgcacacaca	tatccgcgct	ggttttctct	ctctctctct	cttcccgtga	360
gagagagagt	gtgtctctat	tttctctctc	ttgcgcacgt	tcc		403

<210> 2193

<211> 404

<212> DNA

<213> Homo sapien

<220>

<223> n = A, T, C or G

ctgcaagaga	ggatttcagg	aaaccttgta	tgtgtggaat	gaacctaaat	ggtgcattaa	60
aggaatttct	ttgcctgaga	aaaagttggc	aacctgtgaa	acggttgact	tttggtgaa	120
ggtgggagcc	ggtgtgggag	cttttactgc	cgttttgctg	gtggctctga	cctgctactt	180
ctggaaaaag	aatcaaaaac	tggaaatacaa	atattccaag	ttagtaatga	cgactaactc	240
aaaagagtgt	gaactcccgg	ctgcagacag	ttgtgctatc	atggaaggag	aagataatga	300
agaggaagt	gtatatcca	ataaacagtc	actactagga	aaactcaaat	ctttggcaac	360
caaggaaaaa	gaagaccatt	ttgaatctgt	tcaactgaaa	accn		404

<213> Homo sapien

ggcacgagct	atTTTTTTtg	tgtgggtgga	tggggggaga	tgctaaaata	ttgctgctag	60
gattccagaaa	taccacactg	tttcatatat	tggaaacttgt	tattggctag	ccttatgcca	120
gcctgccact	gtcaatatat	tctgttcccc	ttggttacaa	gcttaatata	ctcttggtgt	180
tttggcgaaa	tgagcttttt	atcctattgt	aatatTTTtca	attgataata	gatgtcatta	240
aatctactgc	ttgtatagag	acaggtgtac	ccaaatttac	tcttgacctt	tttataaagc	300
caggtaatgg	agtctgttcc	tttgcattct	aggaaggaat	tgactttgct	ttatgtatca	360
gacctcatca	attgcaccct	ctccatcatg	ccttatTTTtc	c		401

<213> Homo sapien

ggcagcagggg	agtgcagtggt	tgcaatctcc	acctctgggg	ctcaagcaat	tgttggtgctt	60
gagcctcccg	aatagctggg	actacaggca	cacgccacta	cgccagcta	gttttttgta	120
ttttagtaga	aacagggttt	caccgtgttg	cccagggtgg	tctcgaattc	ctgaactcag	180
gagatcctcc	cgtctcagcc	tccaagggtg	ctgggattac	aggcgtgagc	cactgcgcc	240
agcctattca	taattcttta	tagggcttat	taccaaagaa	cagaaggctt	tttaaaagtc	300
atctattggt	tagtgattat	taaaaataag	tcttctgatg	aggattacat	gtatctaact	360
actgtaaaat	agatttcatg	tcagggtcac	ataatcag			398

<213> Homo sapien

<223> n = A,T,C or G

```

<400> 2196
ggcacgaggc tgagtgcgct gcactgacct tcttccaagc ctcagttcct gttctaggaa      60
cttgaggcta tgtagccaga aaatgccctg cagtctgcag tgttctactg tgaactgctt      120
gtgtgttggc aggctaccgg taagaatggt tgggtgcagc agggacgggg ccctctgaga      180
cccatctcac aaagatgagt ggtgaaaatc tgatcacttg ctgcagccct ttagtttttt      240
attaagccga tgcctgagta gctttaatag ctattagcta tgttagtaga ctgagatctt      300
ctgttagaag tcttttagttc tgttttcctt gggggactaa gaaattatat tgcaggcctg      360
aattacagga aggggagaac caatggctag ggaatgagag ccan                          404

```

<210> 2197

<211> 399

<212> DNA

<213> Homo sapien

```

<400> 2197
cgttgctgtc ggccatggtt gtgacaaact ctgaatacca gaggacacaa agggagagga      60
aaaactggtc tatttttttt ccccagggtac atgtggaaaa attttgctgc actgaaaata      120
acccttgctt ttctcttgct ccaggctgcc cttttcttgg gcctgggggt gttgttctcc      180
ttggtcagca ttcccttggg catctatgac tgggcctgct catcgagtag tgacgaaggc      240
cactgaaacc cgccgagaaa aagaaacatc cctgttgtct gctcagtcaa gtccccacac      300
atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga      360
tacttaaaat ggaataactt tttggttgca aaacagaga                          399

```

<210> 2198

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (399)

<223> n = A,T,C or G

```

<400> 2198
cgttgctgtc ggaagaattc gcggtcgcag gagaaantct ttttattttg atctgttttt      60
ttgttttttt tttttttttt tttttttttt tttattaggg ggggcccagc gcgtccataa      120
aggggaccca ccccccccc aaaaatcccc ccgcgaaaaa aaaaaccccc cccctacgc      180
cccccgtaa aaggacgcat acctcacgaa ccgggggggg gggggggccc ttttctcttt      240
tttaaaaagg ggggaaaaaa accccccccc ccgggggaaa gaaccccccc cccaaaacct      300
tttgaacctg gggggggccc caccggatta attcctcccc ggggggcttg ccttttcccc      360
aaaagggggg ggaaaaagag ggcgcccccc cgaggggat                          399

```

<210> 2199

<211> 402

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (402)

<223> n = A,T,C or G

```

<400> 2199
cgttgctgtc ggggtgcatat cattaatgaa atcattaacc tttgtctctg gtccttcctt      60
tctaaaaaca gcagattata gaaggtgggc tggcaaaggg attttcaaag ggcaaaagtc      120
tcatcatcat ctttccactc aaaatcctat tattctacat ttcactttgc aggggtccta      180
gggacaggat tgcaggggaca ggggacatgg gaggaagaca gaaaaattca aaaccagcag      240
atgccactac ctggcaatga attgaaaatt aggggaaagc atctttggcg tgacctttta      300
ttaagacaac agaaatttag aacattttac atgcttcttt gttaaattgg gaagcaaggg      360
aatgaaagta tttattttta gagctcatag ttaactccat cn                          402

```

<210> 2200

<211> 398

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(398)

<223> n = A,T,C or G

```

<400> 2200
ggcacgagtg gaaccagcga ctcagttatt tcaaaacacc atgaaaataa gattagaaga      60
cacaaatcaa gaaaacttta caaggattga agggactggc acaggatctc tttctgggaa      120
agccttgggg tcagtgggat atgtcaaaga aagtgatgga ctagaaatga cagatgtgga      180
atgaagcaat ttgtacgtat taccaaagaa accaaaaact gcctttgact aaggggggtg      240
ttgaaagaga acttaacctt attaggaaac cctgacaaaa tgatggaaga ctattgcctt      300
attttgcact atttgtgaat catcttacac tgcatttttt tatgatgctt attcaaaagg      360
cagttgcttt agggtgaaaa agccttccaa gattcaan                          398

```

<210> 2201

<211> 401

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(401)

<223> n = A,T,C or G

```

<400> 2201
ggcacgagga gaagcagagg gagtggcatg cagggcccct gccatgggtg cgctcctcac      60
cggaacaaag cagcatgata aggactgcag cgggggagct ctggggagca gcttgtgtag      120
acaagcgcgt gctcgtgag ccctgcaagg cagaaatgac agtgcaagga ggaaatgcag      180
ggaaactccc gaggtccaga gcccacctc ctaacaccat ggattcaaag tgctcagggg      240
at ttgcctct ccttgcccca ttctggcca gtttcacaat ctagctcgac agagcatgag      300
gcccctgctt cttctgtcat tgttcaaagg tggaagaga gcctggaaaa gaaccaggcc      360
tggaagaa ccagaaggag gctgggcaga accagaacaa n                          401

```

<210> 2202

<211> 404

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(404)

<223> n = A,T,C or G

<400> 2202

ggcncgnnnc	actattttaca	gagaaaccta	caacagatgc	ttgatgttgt	agaaactggg	60
acatatagat	accaagcaaa	attataagaa	acctataagg	tgttcaatac	gcttgtgttt	120
ccaaaattca	ctgtacatga	tcagtttggt	gttcttgtac	cacagttttt	aactgaagga	180
accagttgta	acagtctcaa	ttttaactaa	aacttgaaga	actaaaacaa	caatgcaaac	240
ctttcagcat	tgtttggcca	aacttgtaa	aactgtaatg	caagaaccaa	atgcaactgtg	300
atgtggcacc	aactaattag	caagcatgaa	tttttcaccc	aagagtgaag	aaaggaaaat	360
ctaccatggc	ttgaagttaa	agagcagaac	tcctgactac	catt		404

<210> 2203

<211> 404

<212> DNA

<213> Homo sapien

<400> 2203

cgctgctgtc	ggtaatacca	ggtgcctgtc	ctcactgtgt	gagtggttct	ctagccagac	60
atgaggaggg	atcctattgt	ttcccatagc	taggcagcct	aagagagtag	gggaaagagc	120
tggctccaga	tgaagagggc	accatctcca	gctcttgga	gcagagaggg	tggctctttg	180
gattcccagt	ggcagcagca	accaacctgg	cccttagtag	tttctaagtt	acaccatgtt	240
aatggataaa	ggaattactc	agcttgaagg	gatctggttc	ctttacactg	gcctgatgtg	300
tggggagaaa	ggggccaaaa	agtttacgat	ttggagttaa	catcgaaatt	tctgctttgt	360
tggtcagggg	ttacagcatt	aatggacagg	ttcaccctga	ccta		404

<210> 2204

<211> 401

<212> DNA

<213> Homo sapien

<400> 2204

ggcacgaggt	aggcttattt	tcacgctttg	tgccctacta	aatatcctct	tgaaaggagg	60
gtttctgtc	accctgaaga	ctgctggatc	agttagttag	acaaattcca	agaagctggc	120
ttggatgtca	aattgggtctt	gggctcatag	agaggaaatg	atttggttgc	ctgaaaagga	180
gcgataactc	tagtttttaa	acatttggtt	tagttcagat	aattactgcc	cttattcatt	240
gtgtccacct	gagtcagaaa	gcattgctgc	tggtgcctgg	tctaaggagg	gaggaccag	300
gcatgtaacg	gactgcatgc	tggccagttg	tggtggtcag	agcaagctgg	aggccagcga	360
ggcccttcag	gggtcttttc	aagggtctgc	cttggggagc	g		401

<210> 2205

<211> 402

<212> DNA

<213> Homo sapien

<400> 2205

cactacggct	tacggctgac	aaaagacggc	agaagggact	gatatattag	cttccttgga	60
------------	------------	------------	------------	------------	------------	----

```

gtccccaccc tcttctgggt tttccacaag tgtctgacat cacactatat tgcagtcctg      120
atcactcagg ttttaaattg ctgtgtaatc tgcgactatg ctctcccttg ataccatttt      180
cagagagaca caaagccttc gtgtttttcc ttgtctctgc cacttggtgc atctttcaga      240
ttacatttag agtttgctgc tccttctctg gaatattgtt tgcagcgctt cccggataga      300
tactctgagt atagatgtgc acctttccat ctctttgtca cctaatacag ctcagtttcc      360
tgagtctgga ttgtatcctc caatccaggg ttctcagact tt                                402

```

<210> 2206

<211> 402

<212> DNA

<213> Homo sapien

<400> 2206

```

ggcacgagga aaggcaggag gtggcggtcg gcgaccgcac ccccgcgggc cctgcccgca      60
ctcctggggc tcagccaggg cgaatggccg tactcatccc aagaagttgt cctaggtccc      120
agacagcttt cagggccctt tgcggaggag gtggtgggac cacagacaca tggagagaat      180
ctggaactgt tctggtttct gaacttttcc ccgacaggac cccagaccct ctgagtcac      240
cccgaggct taacgagact cggggagagt tagtgccgag gccagacact agtgcttttc      300
aagaattttg gttaccaggg ctttcccagag ccgagtgggg tgcggctctg ttcccagca      360
cccccttttc gccggccagg ccgactccgc gttactgtcc cc                                402

```

<210> 2207

<211> 400

<212> DNA

<213> Homo sapien

<400> 2207

```

tctggggcca cctgcaagcc ccattccatt cctacagatc tctcagccac ctgtaagtcc      60
tttgtgaaga tgtgggtgac acagggggac aggaaaaccc atttctcaac ccagatccat      120
gtctccactg cttctactct gggttgggat tcaggaagac aggcacagtc ctctctgttc      180
atagaaacac ctgccagtgt caaggattcc agtcagggtg ctatcccaac tggtcagggga      240
gagaagggca gaccattctt caaagaccac catgtccaag gtctgacagc tccccactgg      300
ctgcccccac aggggcttta ggctggctcg ggtcatgggg aagcgtccct cttatcgctg      360
gtctgtgttc tcctggattt ggtatctatg ttggtacgaa                                400

```

<210> 2208

<211> 400

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

<400> 2208

```

ggcacgagac aggaagccct gaaggttcaa aagaaataca aaagcaaagg ctattttctt      60
ttttttttct ttctttcatt ccttccttcc tcggtttctt tctttcttcc ttctattttt      120
ttttcttttt taaaagcgag cggctctgcg ggggcgggtt ggggggggcg ccgccgaggg      180
gaggtcgtct cgctcccgcg gcgccggtag actggacttg aacactaagt cttcaatagc      240
tgagattctc catcttaatc tacttggagg caagagcaga tgggttgttt cattatggat      300

```



```

ggaggggatg atggtaacct tattatcaaa aagaggtttg tgtctgaggc aaaactagat 360
gaacggccca aaaggaggca agaagaatgg gagaaagtn 400

```

<210> 2209

<211> 398

<212> DNA

<213> Homo sapien

<400> 2209

```

cgttgctgtc gcatatgtgt ccatcaatag agaacttgct aaatgattta tactaccttt 60
acatattgaa atacgcatag ccgagggaaga taatttagta gatctatatg tcccattatg 120
gaacaatccc catggtgggg ggaaaagtaa ggtgcagaac tgtatcatag atgttctctc 180
tctctctctt tttttttgga aagcacatgt atgcttttat atacacagaa aaattctaga 240
atggcaaaca agatatcttt gcaatagttt ttttctggga ggggactcat ttaaaaaaat 300
tctcccatat tgcttggttt gttttgttaa agacatccat gtattcctac ttgggttaag 360
ccatgataac taaatatgat taaagttcag aacaataa 398

```

<210> 2210

<211> 400

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

<400> 2210

```

nnnacgagag actatgtgcc ttataccctt cgcattgtgt ccagtcggcc gagagaacat 60
ggtgttgagg aaagaaagag cagctacaca tttgaatagt tggaaacagg gtttggtcag 120
ggaggaaggt atgctcagcc ctgccagcct gtacttatta acagtagagg cttgtaccaa 180
gagctggagt cagacggcag cactatggag gactattcac aggaggactg gtgaaaccac 240
agtcaggatc tccatggcta tccaacagat caagaattgg atgaaatacc tggcacaag 300
agaacattag caataaaaca agagtcttct gatgaagcac agagaagaga catcatgcag 360
aagattgtac agattttgga atcggtagag atgaaatggg 400

```

<210> 2211

<211> 398

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(398)

<223> n = A,T,C or G

<400> 2211

```

ggcacgaggg actatcttga tgatgtcgct tcattatcag tgcttaggta cttttgatta 60
cctgtgtttc agtattaggg acactttagt acttcagatc ctgcaaatat ttttgcagat 120
gaagtatgta tgcatgttac taagttaaac ttagaaacag aacctcattc agttattata 180
atggattttt gcaaactact gcaaatagca aatcaatgcc aatgttaaac aaaggaggaa 240

```

```

acgctgtgtg gactttgttc tcttgccacg gtatttcagg aacatctgct tgccatcccc 300
acagctcttt aaaactggct attatgtgtg cctttcattc ttacatttct aatcatactg 360
caggaaaaac attggattca gcttagactg aagaaaaa 398

```

```

<210> 2212
<211> 399
<212> DNA
<213> Homo sapien

```

```

<400> 2212
cgctgctgtc gcgaaaccgc ttgagcatcc tcctgtgaaa aggaatgaag aggctcaagt 60
gcatgacaag cttaactctg gaatggtttc caacatggaa ggcacagcag ggggagagag 120
accttctgtg gtaaacgggg actctggaaa gtcagggtgt gtgggtgatc cccgtgagcc 180
attaagctgc ctgcaggagg gctctggctg ccaccaaca acagagagct ttgagaaaag 240
cgtgcgagag gatgcctcac ctctgcccc tgtctgttgc tgcaaacaag atgctctcat 300
cctccagcgt ggccttcac atgaagacgg cagccagcac atcggcctcc tgcatactgg 360
ggacagaggg cctgaccatg agtacgtgct ggtcgaggg 399

```

```

<210> 2213
<211> 398
<212> DNA
<213> Homo sapien

```

```

<400> 2213
ggcacgagat tttaaatagt atatttccag ggatagggtg tcctgttcct cgaattccag 60
ctgaggccaa tccttttagc gatcatgtct ctgctactcg aatcttgtgt ggagcccttg 120
tctttcctac tattgctaca atagtggta aattgatgtt cagtagtgtt aactctaatt 180
tacaaaggac aatcttgggt ggaattgctt ttgttgccat aaaaggagca tttaaagttt 240
acttcaaaca gcagcaatat ttacgacagg cacaccgcaa aattctgaat tatccagaac 300
aagaagaagc ataaaactga cttctggttg ttctgcagtt ctctcatcct tatgaatctg 360
ttgtgttgtt ttgattccat cattaatgca cttgtgga 398

```

```

<210> 2214
<211> 404
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

```

```

<400> 2214
cgttgctgtc gaagagccac cagctggaat ctgcatgtta ggtggccttt ctctgcagga 60
ggtgacctcc ttggctatgg aggaatccca agaagcaaaa tcattgcacc agccccctggg 120
gatttgcaca gacagaacat ctgacccaaa tgtgctacac agtggggagg aagggaacac 180
acagtaccta aagggccagc tccccctcct ctctcagtc cagatcgagg gccaccccat 240
gtccctccct ttgcaacctc ctccgggtcc atgttcccc tcggaccaag gtccaagtcc 300
ctggggcctg ctggagtccc ttgtgtgtcc caaggatgaa gccaagagcc cagccccctga 360
gacctcagac ctggagcagc ccacagaact ggattctctt ttcn 404

```

<210> 2215
 <211> 404
 <212> DNA
 <213> Homo sapien

```
<400> 2215
gacggtgggg aagatggcgt accagagctt gcggctggag tacctgcaga tcccaccggt      60
cagccgcgcc tacaccactg cctgcgtcct caccaccgcc gccgtggtga gcagctgcag      120
tgccaccttc tcattatctg ggctggatat gactgggtct tcaggaaact ggggtttggg      180
cctccgggag gccagagggg gctgggtccc gggatgggtg gaggggtaca gggattactc      240
tggggttcga gttggcgcca agaattgctta tccagtgcag cgagaaggga gtgctgcttc      300
atggggggtc agcagttgga attgatcaca ctttttcagg tgtacttcaa tctgaatta      360
atctttaaac actctcacat atggagatta atcaccaact tctc                        404
```

<210> 2216
 <211> 401
 <212> DNA
 <213> Homo sapien

```
<400> 2216
cgttgctgtc gggaggccaa gagcaccatt tggctgcacc ccgtcaccgg cgaggcgggtg      60
gtcaccggac accggcggca gagcacagat ttgcctactg gctgggaaga agcatatact      120
tttgaagggt caagatacta tataaaccat aatgaaagga aagtgcacctg caaacatcca      180
gtcacaggac aaccatcaca ggacaattgt atttttgtag tgaatgaaca gactgttgca      240
accatgacat ctgaagaaaa gaaggaacgg ccaataagta tgataaatga agcttctaac      300
tataacgtga cttcagatta tgcagtgcac ccaatgagcc ctgtaggcag aacttcacga      360
gcttcaaaaa aagttcataa ttttggaag aggtcaaatt c                        401
```

<210> 2217
 <211> 401
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(401)
 <223> n = A,T,C or G

```
<400> 2217
gcctgatggg atatattcag tcatggcgct cgaactttcc agaaaacctt gctcagaagc      60
ttccaaacct tgtggaacta tacctgcact caaataacat agttgtggtt ccggaagcca      120
ttgggtctct tgtaaaactc caatgtctgg atcttagtga caatgcctta gaaattgttt      180
gccagaaat tggtcgtctg agagctttac gtcactctcg attagctaata aaccaactgc      240
aattcctacc tccagtacct cactgtggac cgaaatcgct tatggtatgt gccgcgccat      300
ctctgccagc tgcccagcct caatgagctc tccatggctg gaaaccgtct tgcatttttg      360
ccacttgatt taggtcgatc tcgagaacta cagtatgtat n                        401
```

<210> 2218
 <211> 399
 <212> DNA
 <213> Homo sapien

ggcagcagga	tgacccaac	gatccatact	aggagcatgg	attgatactg	ccaaatggaa	60
acattaactg	gaactgccca	tgcccttgggg	gaatggccag	cggtcacctgt	ggagaacagt	120
ttaagtcagc	cttttcctgc	ttccactata	gcacggagga	gatcaagggg	tcagactgtg	180
tagaccagtt	ccggggccatg	caggaatgca	tgcagaaata	cccagacctc	tatccccaag	240
aggatgagga	tgaggaagag	gaaagagaga	agaagccagc	aaaacaagca	gaagaaacag	300
ctcccattga	ggccactgca	accaaagaag	aggagggatc	aagttaatga	aggccacaag	360
gcactgggca	ccagtccttt	tggagtggac	cttttgcaaa	aggg		404

<210> 2222
 <211> 397
 <212> DNA
 <213> Homo sapien

<400> 2222
 ggcacgagac tggatgtata gcagtttttc caagaagctt ggctcagaag ggtagcagac 60
 aggatgacaa atggaaagag aaatgaggtc actggaggat tgtaaagag tacagcatgt 120
 ttgagtgtca cttgaaaggt tccagtggag aagctgaaga agtaggtaaa ggtaagaata 180
 accaagggac agaagtcctg gagcaggag gaggggaatgg gattccttaa aacctcttca 240
 tcaagaaact aggaaaaaaaa accaaagctg taccatctca gatttcagag aaaggggaatt 300
 tagaaggaag taatataagc aaagaacaac aatattctgt gactgttttt aataataact 360
 aggaaaattc ctagtgcagt taactctgaa caaaatt 397

<210> 2223
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 2223
 cggttgctgtc ggggggagggg gaggagcatt tggtatgtgg ggccagtcaga aggaacatgt 60
 aaagactcaa aagtgtgtaa tgtttcatgg aagccatcaa caaagcggat gactttcttt 120
 atttttttga gacagagtca aactctgttg ctcaggctgg agtgaaaaac atataacctca 180
 tctcactgct gactcagaca tttgtgtcaa agagaatatc ctgcctaattg cctccgagcg 240
 agtcttatta cagatgcgca ccaccctac ccagttgtgg tcattataga catcacttac 300
 gcccatatac ccctttccag tattgtttgg aaaaaattgt tcttattctg tgaccacct 360
 cttggaattt atagtgtcgg gagacatccg cctgcg 396

<210> 2224
 <211> 395
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

<400> 2224
 gatcacttga gcctgggagg tcaaggctgc agtgagctgt gattgcatca ctgtactcca 60
 gcttggttga cagagcaaga ccctgtctca aaaaaaaaaa aaaaaaaaaa ttttttgggg 120
 cccttttttt cttaaaacc aaatttaaaa aaacccttgg gaagtttggc ccaccccccc 180
 ccaaaaggcc gggaaaaaaaa ggcttttttt ggaaaatttg ggaggctttt tttttttttt 240
 aaccctttaa aaccgcgaaa aaaaaagtta acaaccaaaa ttggtttttt tttttttttt 300
 cggttccggg gggggggggg aagttttccc nccctcctgc tgcgtagncg aacactctac 360
 ttcctttgca cccttaaacc acaacttgag cgtcg 395

<210> 2225
 <211> 392
 <212> DNA

<213> Homo sapien

<400> 2225

acctcctggt	aaggagctac	taccaaatac	taaagctact	ttttcttact	cgttcgtagt	60
actgtcgaga	atcagcttat	cttcaccctc	ttagactata	tgtgaaaagg	cacaatagga	120
agtttgggca	cattagagac	aaatgtgcta	tactttacgg	cttagcctgc	gcccgggtct	180
tatttatcgt	caactgtgga	caaaatgatt	ttgtttcatg	agacaaaggg	ggaccaccaa	240
cttctacggg	aatgtctgcc	ttttgctaga	tagactgtct	attacataac	catatgtagt	300
ttatttttaa	ggagaattac	atatttttct	tcacatgtca	ctgttagaag	taaatcccaa	360
tagtaagatt	tccctaaaca	aagtatttct	tg			392

<210> 2226

<211> 397

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(397)

<223> n = A,T,C or G

<400> 2226

ggcanaagct	cagtatgtct	ctttcaactc	tagtttttga	ggcgggggaca	caggagggtcc	60
agtgggacac	agccactccc	caaagagtaa	ggagcttcca	tgcttcattc	cctggcataa	120
aaagtgtcca	aacacaccag	agggggcagg	caccagccag	ggtatgatgg	ctactaccct	180
tttctggaga	accatagact	tcccttacta	cagggacttg	catgtcctaa	agcactggct	240
gaaggaagcc	aagaggatca	ctgctgctcc	ttttttctag	aggaaatggt	tgtctacgtg	300
gtaagatatg	acctatccct	tttaggtaag	cgaactggta	tgttagtaac	gggtacaaag	360
ttaaggggtc	tgtgggtttac	ccatctgaaa	tatgtta			397

<210> 2227

<211> 392

<212> DNA

<213> Homo sapien

<400> 2227

cgttgctgtc	ggtgaaattc	tgtattgatt	tttctctaag	gagaatatga	catgcttgtg	60
cttaccaaga	tcaagtgcac	tgaggggcag	ttttgtttgc	ctgaataaac	gtaaaggaca	120
agtaaacaat	ttgatgataa	gctacagttt	ttcttacaaa	gtaaatattt	tatttatgcg	180
ctgatagtgt	gcttttgaat	ccattatttc	atgctttttt	ttaaaaaaaa	aaaatatcat	240
aataactttt	tgaagaggca	tttgggtccc	atataaattc	ttttactttt	attcactggg	300
tgcactaaat	aatgagaacc	ttgggtggat	ttttgtttac	ttccaaaaaa	caagggttagg	360
gatgttttta	ttcccctacc	ttgaagaaag	tg			392

<210> 2228

<211> 395

<212> DNA

<213> Homo sapien

<400> 2228

ggcacgagaa	tggatctgaa	tttgacaaat	agcatgccac	actaatacta	cagtcaacaa	60
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cagcccagag	aacaattact	atgtcagctg	gaggctatat	tatgattcta	aattctttaa	120
ggtttttttc	cctccataaa	tcaaaaatta	ccttatgtaa	acaaaaaatt	agttgggtatt	180
tatggtcattg	atcttaattc	tcaagtttag	cttaatcttg	tatttcattg	tttgtcttct	240
aatatgacag	cttaaaattca	gatttttaag	tgactcagca	aaataggagg	agtgtcccaa	300
tttattagtg	ttgtacatat	tgaagaaaac	ctttttgttc	cttcagattt	agaaagaaac	360
agtttaacca	tttatttctt	ggatttctgc	tgctg			395

<210> 2229

<211> 393

<212> DNA

<213> Homo sapien

<400> 2229

ggcacgagat	tatatggacc	ccctaagtct	tattttctag	taaactgatg	atactggaaa	60
ttcttttact	tgacatgcac	aagaataagc	tggaggcgat	tatttccttt	catacagagt	120
tcatgaattg	ttttaaatgc	ttcttaaagt	ctggctttat	aaccgtttta	aatcaactat	180
gatgatttta	gataaccaag	taggtattat	aatacaaaaac	aatttttaagt	gtaagaaact	240
atagtataat	caaagtaaat	tcagttattg	tattttgtgt	gttgccttgc	cttgcattgat	300
gctgggggaa	aaagagaaaa	gaaatggttt	tctttttgta	ctttcattca	gtgcacaggg	360
aaaaaagcat	gtattgtgcc	accggaagac	aag			393

<210> 2230

<211> 159

<212> DNA

<213> Homo sapien

<400> 2230

acaaacgatt	tctgttcatt	ctttaagcat	ctatatattca	tttgtttgtgc	acatatgcat	60
atgagcccat	ttaagatatt	tgcatatact	tgatagaaac	cataaagggtg	tagcaggttaa	120
gtccagccac	atttggttaa	tcagtgtttg	atataattg			159

<210> 2231

<211> 394

<212> DNA

<213> Homo sapien

<400> 2231

cgttgctgtc	ggccatgggt	gtgacaaaact	ctgaatacca	gaggacacaa	agggagagga	60
aaaactgttc	tatttttttt	ccccaggtac	atgtggaaaa	attttgctgc	actgaaaata	120
acccttgctt	ttctcttgct	ccaggctgcc	cttttcttgg	gcctgggggt	gttgttctcc	180
ttggtcagca	ttcccttggt	catctatgac	tgggcctgct	catcgagtag	tgacgaaggc	240
cactgaaacc	cgccgagaaa	aagaaacatc	cctgtttgtc	gctcagacaa	gtccccacac	300
atcagcaatc	tctcaccact	tcttttgcaa	gtttacagaa	gcaaacagaa	atgtacagga	360
tacttaaaat	ggaataactt	tttggtatgca	aaac			394

<210> 2232

<211> 395

<212> DNA

<213> Homo sapien

<400> 2232

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ggcacgagag actctgtctc aaaattaagt atctctaaat acaggattat aattttctgct      60
tgagtatgga gttaactacc ttgtatttag aaagatttca gattcattcc atctccttag      120
ttttctttta aggggaccca tctgtgataa aaatatagct tagtgctaaa atcagtgtaa      180
cttatacatg gcctaaaatg tttctacaaa ttagagtttg tctacttattc catttgtagc      240
taagagaaaa ataggctcag ttagaaaagg actccctggc caggcgagc gacttacgcc      300
tgtaatctca gcactttggg aggccaaggc aggcagatca cgaggtcagg agttcgagac      360
catcctggcc aacatggtga aaccccgtct ctact                                395

```

```

<210> 2233
<211> 393
<212> DNA
<213> Homo sapien

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<400> 2233
cgctgctgtc ggggtcaccc tgcacaaaa cccatggagc agactgctga gccagctcag      60
gggaagcgga gagaccccag gactgacggt gagaatgcaa ctacttctg attacacagg      120
atatggcaga tcggatttga ccaacaaaat ggggaggaac tgatccagat gtggaatgtg      180
acagagaatc ctttccact gccatggaac atttataaaa ataatacat gttaataaat      240
gaagaaaggg agccacacat ttaaaaaagc agaaatcgta caggccactt cctcagataa      300
ccattctaac tagggtcaaa ttatacatca ggactgaaac cacaacataa taggaaataa      360
gataaagtct tttgggtttt ttgagacgga gtt                                393

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<210> 2234
<211> 391
<212> DNA
<213> Homo sapien

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<400> 2234
gaaatctgtt ctttcacatt gcaaaacaga gtctgagagc aagaattcac attcgaaaac      60
ttcaggtgaa aagaaccacg tggaaaaaga taaaatgaat acattggaca ttttgagaat      120
ggagactaca gagagagaga atccagaagc tgaaactgta tctgtactcc tcaacacatg      180
gaagatcaat cgcgtaaaga ttttgaagag gaagatggca tattacagcc tgagaaaaat      240
gattcttttc aaaatatgca gccagatgag cccaagggtc ttagtgaatg tgtaagcggt      300
caagagaata ataaggcgga tgaacttaac caagtcccaa ttctaaggac tcgatttcag      360
aaaccaaagc caaatatagg aagaggaact g                                391

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<210> 2235
<211> 396
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1) ... (396)
<223> n = A,T,C or G

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<400> 2235
ggcacgagag agagagagag agagagagag agagagagag agagagagag agagagagag      60
agagagagag agagagagag agagagagac tctctcactc ttgcgcgtgt atttatacac      120
acacacacgc gtgaagacac ctctctgtgt gcgcgcactc cccccctctt tgtttcgtga      180
gaactgtgtt ctttttgcca tatgtgtggc gctctatctc tttgtttacc ccctatatcc      240

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cccgtctctac	acgtttttctg	gcgcgcgtgt	gcattttttt	tgtgacgcag	gcacgggggg	300
gtgtgtgaca	tttttaaccc	ccncacgccc	cccctcgcta	cgatgttctt	tctttctttt	360
tcgtccttgg	ccttttgcct	atagtgattt	cccact			396

<210> 2236

<211> 392

<212> DNA

<213> Homo sapien

<400> 2236

ggcacgaggg	ctgacgtgga	ctgtccacag	tgttcatgtg	ctggagtcag	ggacggccgc	60
acctgcctcc	gccggctcca	gtgtgcgggg	agcctctgcc	tgagtgtgca	ccaggcccat	120
gtttattgac	cacagtctga	gcggggggga	aggggactgc	ggtggacacc	agaggaagct	180
gtttcctgtt	gtgatgttgg	acctgtagta	ggacatggtg	atttgttaat	ttccatggga	240
agccatgatg	gcctagcatg	gagggaaatct	gttcccaggc	cctgcctgga	agttgagggg	300
aagtttagac	atctgcagag	aggcaggcag	cccagcccag	gggacccgtt	cctcttgaac	360
cagtcattgc	ctgtggcaaa	tgtgtgtatg	aa			392

<210> 2237

<211> 395

<212> DNA

<213> Homo sapien

<400> 2237

ttgataaaaa	gtcaaagatt	agcaaagata	tatgctcatg	caataacaca	tatatgaagc	60
acagaagcaa	aagctggact	cagaacaaaa	atagcaagtt	gagccttaaa	cacactgagt	120
ttgccttggg	agtagaatgt	ccaggcagag	aagtccatca	ggcaattgaa	aatgtgaatc	180
tgcaacttgt	aaaaaatgta	ttattcagcc	tgggctgtca	tacaatagac	cacagactgg	240
ttggcttaaa	caacaaaaat	gtatttctaa	ccattctgaa	ggctagaagt	ccaagatcag	300
gatgtcagca	tgggtgggct	ctattgaggg	ctctcttcct	ggcctataga	tggccacctt	360
cttgctgtgt	cctcacatgg	ctaaaagaat	aagag			395

<210> 2238

<211> 394

<212> DNA

<213> Homo sapien

<400> 2238

cgttgctgtc	ggcaggctgt	gatcggtatc	ctacagcctt	accctcgtgt	cctggatctt	60
ttccttccat	ttcctgtgta	cagccttttt	ggggacactg	ccgttacccc	actctagcta	120
gcatagctct	gtctgtaggt	gctccataaa	ggtgatagga	ctgaccacac	cgtcaccttt	180
cccggaaacc	caagagggag	cgttccacag	agggagcgtg	tagtgggggg	aactgtttta	240
taaattaatc	cgtttattga	aaggttcaca	aggacaaaaga	ggcaacagca	agagtcaggc	300
acagaaataa	aggacgcaga	agtagaagtg	cgccttggac	ctggaggact	cttccagagt	360
gtttatcact	tgggtgacctg	gtaggagggc	tgcg			394

<210> 2239

<211> 396

<212> DNA

<213> Homo sapien

<400> 2239

ggcacgagga	ttgtcccagg	acctgaaggg	agcatggatg	gcctcagggc	ctgggtgaagt	60
ctgctactct	gtccttactg	ctgaacatcc	tgcttgatc	aggaaactca	gaagcagttt	120
gccttgctca	attcaatctc	aatggccatt	gtccacataa	ctgatcacc	atggctgcct	180
ctcctattat	ctattatcac	tgaaacttag	tagcctgctt	tttttttttt	tttttttaaa	240
cctatgggaa	atttcccttg	ttgggaacct	tggtcccggt	ttgggttttc	ccttcctttg	300
gaaaattaaa	acccaaaagc	cctttttttt	tggttggaatt	accggagggc	cttgccctaa	360
ggggctgccc	tgccccttgg	ggggaataca	aaaaaa			396

<210> 2240

<211> 391

<212> DNA

<213> Homo sapien

<400> 2240

ggcacgagct	ttcttaaaac	catctaaaat	aaaaccttct	tatttttagta	gtgtcagtga	60
aaataagcag	tgacatttct	tagaattctc	agctttcaaa	tctacatgct	gtgatcctgt	120
ctgcctacca	tctggacagt	ttttgtttac	tcttggttcc	ccccatggag	taaaagtctc	180
aaatcatcta	gcattgtttc	tcttatcctc	aggtgatcca	ccgcctcag	cctcccagag	240
ggctgagatt	acaagtgtga	gccactgcgc	ccagcctaca	gaggactatt	gagcatccaa	300
tgactatgct	aggtatgcag	gtatagtact	aagtaacagg	agttcctaata	cctaagaggt	360
tctccatcta	gcagaagaaa	accaaact	t			391

<210> 2241

<211> 392

<212> DNA

<213> Homo sapien

<400> 2241

ggcacgaggt	tgctcacagt	ggttcacgag	ttatcgaaca	tgatacagtt	aatgatttcc	60
gagagaagat	gatgtataaa	gctatacatt	gtgttcaaaa	tatgaaacca	gaggagtatg	120
ctcataagat	tttggaatta	cagatgcaca	gtataatgga	aaagaaaatg	aagaccaaga	180
gaaatattgc	caagcattac	aagaataacc	catcactaat	aactttcctt	tgcaaaaact	240
gcagtgtgct	agcctgttct	ggggaagata	tccatgtaat	tgagaaaatg	catcacgtct	300
atatgacccc	agaattcaag	gaactttaca	ttgtaagaga	aaacaaagca	ctggcaaaga	360
agtgtgccga	ctatcacata	aatggtgaaa	tg			392

<210> 2242

<211> 391

<212> DNA

<213> Homo sapien

<400> 2242

cgttgctgtc	gagaggttta	accttggaat	aaaagaaaga	atcagcaaat	acattatctg	60
agcctacata	cactttgtaa	aaagtatact	tccactgttc	agaattagat	gatggcacaa	120
aacctgttga	ggtcttcatt	catccttaca	aatgtttatt	atgctgagtg	tcccaggtga	180
ctggatacag	tggagtgaat	tagaaatttg	aaattattgc	cctgagggga	cctacattct	240
tcttgttgga	gtgcgtctgt	gtgggataag	gtagacaaat	aatataggaa	attcaaaaaa	300
ttgtttcaga	ccatagtaag	ttctatgcc	gaaatgaata	gtccatatga	taagaggaac	360
agacattgtg	agatgttgg	tctataggaa	a			391

<210> 2243
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 2243
 ggcacgagat aaaacccagc tgtgtaagaa ttattctaaa tttaaagttt attcttatta 60
 ccgtagggat aggaatgtca gcactcactg aattatggcc ttcctctcct gtgtctggac 120
 ctcttggcag cttatggttc ccgtttcctt tggataacag gatacagctg gtggcaaaat 180
 tctcacctgt ggaatggcca ttgggagttt tcttctccat atagatcttt gcaaagcagc 240
 agaaaccatt tttgcaggaa accacaagcc tgtgttaaac accaaaagag aattgaaata 300
 acatgtccat gagttcctct ttctagaggt accaaccatc atgtgggatc ctaagtatag 360
 tgtaaagtag ctctttgtcc tccccttcac tttgag 396

<210> 2244
 <211> 392
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

<400> 2244
 ggcacgaggc aggggtggagc cctctgagct gcccgtgat ctgcagcact ggatctccta 60
 caacgaggcc agcagccagc tgctccgcat ggagagtagg ctacagtgatg tcaccaagga 120
 ccagtgaccg ccaccttcac accgtctgcc ctggccacca tcctgggcct gggggctgcc 180
 cacagatggg cagtctcagc catactctgt tccagctgga gtagcctcct gaccagcctg 240
 gccacacctg ctccaccac tgggcccccc cagttattga taccctctg tgctgggctc 300
 cacgctaggc agaaggagga gtggcattgg catcctgacc cagctctgcc ctcaagggtg 360
 ggatggatgg gcaaaggaga gtccctgcctg gn 392

<210> 2245
 <211> 397
 <212> DNA
 <213> Homo sapien

<400> 2245
 cgttgctgtc ggttttcac ccaattcctac tcgtagcagt acattagaaa ctacaaagag 60
 tcctcttata attgataaaa atgagcattt tacagtttac agagatcctg cacttattgg 120
 gtcagaaaca ggagctaata atatttcacc ttctctaagc cagcctcctt tcctcttca 180
 ctctcatct catagaacct gtttaaatac aggtacccat catcctgcct taactcctgc 240
 acccatttta ctagecggat catctagtca aactccatta cctaccatta aactcatcc 300
 tctgactagt ggtccacacc atgctgttca tcaccctcat ttacttccca ctgtgttacc 360
 tggagtgcct actgcctcct tacttggtgg ccacca 397

<210> 2246
 <211> 396
 <212> DNA
 <213> Homo sapien

<210> 2249
<211> 395
<212> DNA

<213> Homo sapien

<400> 2249

ggcacgaggc	catctggccc	tcacctcccg	ccgtagctgg	ctgtgacgcc	cgccatgggc	60
acactggggc	agtgcagtga	gaagacgagg	atgcccagca	ggctgacaac	ggtgcagaac	120
aggcagaact	tgatgaccgc	ggagccccgg	agcctgagct	tgttcacaaa	gaagccggcc	180
aggaagggtg	cgccaccacc	cgctggcacc	accagcctct	caccagagca	gactgtcggc	240
ctcacatcac	ccccacctgc	aggagggcgg	ctctttcctc	tcggccacac	ctagagcctg	300
gttccgatga	acgcaactct	gaatgcctgg	aacattcaaa	tgctcttggt	tgaggagggtg	360
gccaaatgta	aatggattct	gaagaatcag	gaaca			395

<210> 2250

<211> 397

<212> DNA

<213> Homo sapien

<400> 2250

ggcacgagct	ggcggcatta	tctgcgggct	tatgctgaca	ctaagctggc	taatgtactg	60
tttgcccggg	agctcgccaa	ccagcttgag	gccactggcg	tcacctgcta	tgcagcccac	120
ccagggcctg	tgaactcgga	gctgttcctg	cgccatgttc	ctggatggct	gcgcccactt	180
ttgcgccc	tggcttggct	ggtgctccgg	gcaccaagag	ggggtgcccc	aacaccccctg	240
tattgtgctc	tacaagaggg	catcgagccc	ctcagtgtga	gatattttgc	caactggcat	300
gcggaatagg	agcctccagc	tgtcctagac	gaccgggcaa	gccatcgctt	atgggaggcc	360
agcaagaggc	tggcagagct	taggcctggg	gaggatg			397

<210> 2251

<211> 392

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 2251

actgcacgag	ggtcaatcca	acattgttta	tatcagttca	cccgtaatga	gaaacttcca	60
gatgcgaata	aactgctttg	agaagtatgc	acacggagac	agtgtaatgg	accaaaggca	120
tatataaaag	gtgaaaggaa	gcatgtttac	accaatgcca	aaaagcacat	gctaatttct	180
cttgctactc	ctgatcttac	tcttcattta	aagagatttc	agcaggctgg	ttttaacctt	240
cgcatagtta	acaaacacat	aaagtttccg	gaaatcttag	atttggctcc	tttttgcacc	300
cttaaagtga	agaatgttgc	agaagaaaat	acaagggtag	tctattcctt	atatggaggtt	360
gttgaacaca	gtggtactat	gaggtcgggg	cn			392

<210> 2252

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 2252

tcttagacga	ccaattatag	gttatggagt	ataatattac	aagagtttcc	ggggagaaac	60
tttaggatat	actcggtttc	aaggtgttta	tctgcctttg	ttgtgggaac	agagtttttg	120
ttggaaaagt	ccgattgctc	tgggttatac	gagggggccac	ttctctgctt	tgggttgccat	180
ggaaaatgat	ggctatggca	accgaggtgc	tgggtgctaat	ctcaataccg	atgatgatgt	240
caccatcaca	tttttgccctc	tgggtgacag	tgaaaggaag	ctactccatg	tgcacttcct	300
ttctgctcac	gagctaggta	atgaggaaca	gcaagaaaaa	ctgctcatgg	agtggctgga	360
ctgctgtgtg	acggaggggg	gagttctggt	tgccan			396

<210> 2253

<211> 393

<212> DNA

<213> Homo sapien

<400> 2253

cgttgctgtc	gattgccgtg	gcgagcgaca	agtcctcttt	tgccactcct	ggggtgaacg	60
tggggtctct	ctgttctacc	cctgggggtg	ccttggcaag	agcagtgcct	agaaagggtg	120
ccttggagat	gctctttact	ggtgagccca	tttctgcca	ggaggccctg	ctccacgggc	180
tgcttatcaa	ggtggtgcca	gaggcggagc	tgaggaggga	gaccatgcgg	atcgctagga	240
agatcgcgct	actgagccgt	ccggtggtgt	ccctgggcaa	agccaccttc	tacaagcagc	300
tgccccagga	cctggggacg	gcttactacc	tcacctcca	ggccatggtg	gacaacctgg	360
ccctgcggga	cgggcaggag	ggcatcacgg	cct			393

<210> 2254

<211> 388

<212> DNA

<213> Homo sapien

<400> 2254

ggcacgagga	tctttatgca	tttcccacta	ctcccttact	gtcttttagc	attcacagaa	60
aaagccaact	tgcttaaaga	ggaatcactt	aaaaggtagg	catatctaag	atgctcatag	120
aagaggaaga	atgggacatg	gccccatgct	tatttttgtt	tacaacgtaa	catggcatga	180
gagagggcag	agaaactaag	ttgctgggga	aagtttagagg	aactgaaagt	ttgggaatag	240
gctgaccaca	tattatgcca	gtgaccagta	tgacaggaga	tggggccctg	ctgccagtca	300
tctccactga	ataaagaata	atgctcctct	ttcagggtaa	taaagtgggg	aaaagggaacg	360
tcttctcaat	gcaagaacat	aagctttt				388

<210> 2255

<211> 387

<212> DNA

<213> Homo sapien

<400> 2255

cgttgctgtc	gatttttgaa	ctcaacccta	tgaacaatgg	gccattcaaa	tggaaaaaaa	60
agctgcaaaa	gaaggaaatc	gcagagaacg	tgtttgtgca	gaacatttga	ggaagtacaa	120
tgaggcccta	caaattaatg	acacaattcg	aatgatagat	gcgtatactc	atcttgaaac	180
tttctataat	gaagagaaaag	ataagaagtt	tgcagtcata	gaagatgata	gtgatgaggg	240
tggatgatgat	gagtattgtg	atggtgatga	agaatgagat	gatttactca	accctttgaa	300

actggatgaa acagatagat ttctcatgac tttatttttt gaaaacaata aaacgttgaa 360
aagggtggct gaaaacccag aatatgg 387

<210> 2256
<211> 385
<212> DNA
<213> Homo sapien

<400> 2256
cggtgctgtc gcttattttt gtctttcact atcgcaggcc ttagaagagg tctacctgcc 60
tccagtctta cctagtcacag tctaccccct ggagtttagaa tggccatcct gaagtgaaaa 120
gaaatgtcac attactccct tcagagattt cttgtagaag agccaatccc tgaatgccac 180
caagatctta atcttcacat ctttaatctt atctctttga ctctctttta caccggagaa 240
cggctccagc tgttctagct ctctttcagt tctttgaacc tccccacctt aggggtctata 300
aggggtccctc tgcccaaaat ggtctactct cccttcttct tcaacacatc cttcagttta 360
agcacttgct tctctcagtt taaac 385

<210> 2257
<211> 388
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(388)
<223> n = A,T,C or G

<400> 2257
ggcacgaggt ccagccctgg taatcctgat gcagaggggtc cacaaccaca tttgggaaat 60
gttgacctaa tgcacagcag gaaagcactt tcatttgcta agaagtttcc atatgaaggg 120
ccacgcagac ctgagcatgt agaaaggcaa ggggccaggg aagttactag aacactgact 180
ctgggggttat attgcctggg tttgaatcta atcttggtcg cttactggtg atgctaccca 240
aggtgtctgt accttcattt cccacactgt agaaataggg ataggatagt ggaaggtatt 300
gagatgagct gagaccatct gcatagaggg cttaacatag tgactgggac ttancaaagt 360
ctccatgagt tatgattgct ggcactgg 388

<210> 2258
<211> 389
<212> DNA
<213> Homo sapien

<400> 2258
cgttgctgtc ggctgaagct gtcaccttgt ggaatatcag atattaagga tggccagaag 60
ggcagtgggc agagccagag agtgtttctt gaagcctgtg acagatttga agggcctgtt 120
tcatatatct ataaactgaa gagctacatt gtttaaagaa ttttaatttg aaataaattt 180
accctgagat gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 240
atgcatatat aaataccacg gccaaagagga ccaccccttc ctttatctga gaaaggaagt 300
atacaaaatc cgcataaatt taccggcacg agtccccctg cttgcattgt aggtgtcaaa 360
gcccggtgct ctgatcttga cataggaag 389

<210> 2259

<211> 385
 <212> DNA
 <213> Homo sapien

<400> 2259
 tacggttgct agattacgac agaaggggcg tcagatggga gtgctgttta accttttcag 60
 gaactgtcag actgttctga agaggggtaca ttattttaca ttccaaccag cagtgtatga 120
 gaattccagt ttatccacat cctcatcaac agttggtttg tctgtctttt ttattatatt 180
 catctcgcat gtgaagcgcg tatctcattg tggctttgat tcacctctcc ctgacggttg 240
 acgacccac ttctcattgc gtacgctcat tacctccccg cggcctttct tcatacactg 300
 gttgctccag gaattacctc attcatctcg ccccgattt cctgtgtgcg cccgcttctt 360
 attccccctc ctccgccttc gtccc 385

<210> 2260
 <211> 390
 <212> DNA
 <213> Homo sapien

<400> 2260
 cgttgctgtc gctctgaagg aggtcttcaa ggagtatttg attgaactgt ttttcttgca 60
 acactttcaa ggggaacatga tggatttctt agctttcaag aagaaacatt atgccccatt 120
 acaagcatat cttaggcaga atgatttgga cattgaagaa gaggaggagg aggaggaaga 180
 ggaggaagaa aaatctgagg ttatcaatga cgagcaagcc ctgcgaggga gcctggtagc 240
 agggggccgga agcacagtag agacggacct gtttaagagg cagcaggcga tgccctccac 300
 aggaggaatg cccccacgc cgcaagccgc gcagctcgct ggacagaggc agagtcagca 360
 gcagtatgac cctccacgg ggctctccgt 390

<210> 2261
 <211> 386
 <212> DNA
 <213> Homo sapien

<400> 2261
 ttttacgatt ctaaaatcct aacagatttt aactgttgct taaatattat ttcttgccat 60
 atatagcttt ttaagtctgt ggggtcaaaga tagatgtact catttgagac ttagtgattt 120
 gttttataag tatgttgaat aagttgagcc agtttgaatt gtgtccttct cttttaaaga 180
 aaagatttcc caaattttaa cctggattta gatgtttttt gggttaacct tactgaactt 240
 tccaaaattt tcaggcttct gggcctaact caaactgtaa tttcatgagg ccggccaagt 300
 gatttttaaat ctcatTTaaa agttaccata agctctactt gaaccatttg ggttttagta 360
 taataaaagg gcacatgtat tgggtt 386

<210> 2262
 <211> 389
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(389)
 <223> n = A,T,C or G

<400> 2262
 cgttgctgtc gatcattttg atatttcatt ctgattttctg attctctgat ttctgattcc 60
 taatgaggac agtaggtctg gatccaaatt ctcacagtaa aatcaagcag taattttctc 120
 tcataatctat tagggaaaga aaaatgatca cagtctgcta agagtcttga ttttctttgt 180
 aatgcctcac atagtatgat aatcagtcctc caaagcatca catgataatt acaatgatac 240
 cattaacatg tcaaggaaat tatattattt atgggtgtca aaaattatga agtagtgtat 300
 gattataagc agatatggca aatttggttca gtaaattccat agatgactac attttgagaa 360
 atactaagat aataactaaaa attatgccn 389

<210> 2263

<211> 388

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(388)

<223> n = A,T,C or G

<400> 2263
 ggcacgagcc ccagtttttg ggctcacttg tctgtatcc taacaactat ttacatagta 60
 ttacattat attagccatt gtaagtaatc tagagatgat ttaaagtata tggaaggatg 120
 tgtgtaaatt gtatgtgaat acaaacattt tatataaggg acttgagtat ctgtggatct 180
 tgatggggta ggggggtgtcc tgaaaccaat ccccttgga tactgaggga tgactataca 240
 cttaagccac cagacatctt gcatacata gacaattggt tgggggtccat gagctttaat 300
 taaaaaatgt aatgctggga gaacatagag aagagtgatt ttgtttttta aatgtacact 360
 tgaatctgta gaaatatact acatttgn 388

<210> 2264

<211> 386

<212> DNA

<213> Homo sapien

<400> 2264
 ggcacgagac taaaccctcc cctagctttg gtttcccccg cagtctgaag actctaatac 60
 ttgacactcg ttcagagaga tgtttgggga atttatagac acttaacatt tatgcacact 120
 tatatatcgg gggcgggagg aattacagac acttaaacca ttactgcctt ctctctcaaa 180
 agaataacag ctttggtaac tgggttagca gaggtgttag tggacttagg gttgtaaaca 240
 gatactcatg gcactgacat cgatgagtct atgagggaaa ttagaaaagat aaatacatct 300
 gggatgtaaa ctcggaagg cgaggctgtt caaaatgttg gtgctattga attgtgattc 360
 tcggtgtttg tacattgcta ataattg 386

<210> 2265

<211> 389

<212> DNA

<213> Homo sapien

<400> 2265
 ggcacgaggc tggcccatct ggactcatgg tagtggttaa gaactggatt actgcaatag 60
 ccagggttg ggcctatgtg ttcatggttg gaaggcaaaa tgtgtcaggg tctggtaccc 120
 agttaattac ttaaagctga taaactaggc tgggtgcagt ggctcatgtc tgtaatgcc 180

```
gcagtttggg aggccaagac aggtggatca cgaggtcagg agttcgatac cttcctgacc 240
aacatggtga aaccccgttt ctactaaaaa tacaaacatt agctgggcat ggtggcacgc 300
acctgtaatc ccagctactt gggaggctga ggcaggagaa ttgcttgaac ctgggaggca 360
gaagttgcag tgagctgaga tcatgccat 389
```

<210> 2266

<211> 389

<212> DNA

<213> Homo sapien

<400> 2266

```
ggcacgaggg aacatgaggg aatgggcaag cctagagatg gtttcatgcc atctctagct 60
ttgggagcca aattctgaaa cagaaacttt ctgtttccca taattctccc tcaacctcac 120
atthttatat ccatttggat gcagaggcaa tatccccatt ttacagcaga gggagatacg 180
atthagtthc aactacatac agttagcaag aggtagagcc aagactggaa tcttcagttg 240
ctagcttcag aatctgtgct ctttgtgtgc aaaatcattt ctaagcaaga acaaggattc 300
tagattgtcc tcatacttac tacagagtca tatcagactc ggggcaagac ccaaaggctg 360
caggcacctt gggcaggttc ataatttgg 389
```

<210> 2267

<211> 390

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 2267

```
ggcacgaggt ggttaagaat ttataccctc caaattatgc gtctggtgcc ttggttgaaa 60
gtattctcac ttcattggtg ctgtattaca ggtacggtat tctcaccaaa atcatttctc 120
tttgtaatta tgatactgat tttaatgccg cacatttgca tactatatgc ttgttacagt 180
gatccccaca gtaactcatg aagcagccac tcattgtaca aatgaacgtc tccatataat 240
agtttagcta ttatacagta catggcagaa acacaattca aactcaagtt tatacgaata 300
ctttcaagtc tccttacctg agagcagaaa gtgacattta aatttaaagg agttcccagc 360
ctttgttttc agtgcagttt gtttcatggn 390
```

<210> 2268

<211> 390

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 2268

```
ggcacgaggt gtgggattac agttgtgagt cactgtgccc agcatggagt ttcttatatc 60
aggtgtttta gggagctcgc ttgcttattc cattctttaa tccttacagt gtgccacacg 120
```

```
tataaagttt  ataacgtatt  aatgatctca  ttacccaaaa  ccagaacata  atttcacaag  180
ggttcctact  tctgtattgt  tttattatct  caaaaattta  aataacatgt  tctgctgggt  240
attggctcttg  ttatccactg  tattagcacc  ttccctgatg  tgctttggag  gttgatcaat  300
gaatttctga  gactttctgc  tggaattact  ttaaggggtg  cttattagat  gatgaaaagt  360
tggtcgagac  acccttcaag  tgaccatgtn  390
```

<210> 2269

<211> 387

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(387)

<223> n = A,T,C or G

```
<400> 2269
ggcacgagcc  taaaccatga  gtcctttatt  tgtaaagggg  acattagcca  ctctccagca  60
acagccctgg  tacttcttca  gtctgggat  gggacgtatg  attagcctaa  gcgaaccaga  120
aaatccaggc  ccgtgaccag  tgacttgatc  agggctggcg  atatatctag  gtaggccaac  180
caggtggact  cagtattttt  gtgggtgcta  ctggaaaatt  tatttaattc  taactgaatg  240
tagaaacagc  aacagacatg  aaatggcagt  tgtattgctg  tcttatcatg  aggtgagggc  300
ctgaagctat  ggtagccacc  ctgtgaacct  tggaaggagg  gttctacagg  aactggcaga  360
gctgagactg  ggacgcaacc  catgtcn  387
```

<210> 2270

<211> 385

<212> DNA

<213> Homo sapien

<400> 2270

```
ggcacgaggc  tgcacaaagc  tggggtcttg  agtccaggct  tttggactga  aacaaggacc  60
tgaaacatct  aaaactacct  ctgattcta  taggaaggag  atagggtgctg  aacttgctca  120
agagcccaga  gagctgggtg  tagctcacac  ccgttccctg  ggcatgtgtg  ttctgtcctc  180
ggctgcctcc  caggagtcc  caacctgggg  tagtgtaaat  tcctgctctg  cttattatca  240
gacgtgtgtc  cggaggtgg  cgtgtttcac  agtggggatg  ggggtaggga  ggtccccaat  300
gtgctaagct  acaatcattc  tcctgagat  tttcatttag  caccagttt  cttaaacagt  360
gtttcagggc  cctgtctgga  acttg  385
```

<210> 2271

<211> 386

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(386)

<223> n = A,T,C or G

<400> 2271

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ggcacgagga  aggcagttat  atggnttttt  actttttcat  caattccata  ccatcgggag  60
```

taactaaatg	aaacatactt	caaagaaaga	agtcaaatta	aatgactgtc	attgcccatt	120
aataaaaaaca	acaatctgag	cttaacaaaa	aatttaacaa	acaggggaaga	cagaaagatg	180
gtatatattat	tgcttgacta	cactggcata	actcacttta	acaaaaatta	tcacatttaa	240
taatataacc	tgttatagct	aaatattaaa	cacatattaa	ttagggccaa	ctttgaagga	300
tttctaattc	atccatttcc	ttattcacta	ttatatatga	agcactacac	taggtgcagg	360
gtcattataa	acaagttttt	tctttg				386

<210> 2272

<211> 388

<212> DNA

<213> Homo sapien

<400> 2272

ggcacgagct	tagccatcca	ttgtgtctca	aaactgtttt	ggaggtgaat	aactgtgagg	60
caggatggag	aaccttttgc	tctcccatcc	agaagggcac	ctaaccaggc	ccctggagca	120
gacaaaagga	gcaggaagtc	aatcacttcg	atcccagttc	tctgaagccc	aagaagaaaa	180
cggattttcc	ttcgttttgg	ttcggaggcc	tagtagagaa	tttggattcc	accaagtctt	240
cttttttcaa	aaaaagtaaa	cgggccagag	cagacaaaaa	ctgtggaaac	ttgaggcctg	300
ggtagtagtg	gttttggttg	attttgaggc	tttaaagaga	taaggagacg	gtggtggagc	360
tccgccacgc	cgcgtggctc	tcacttcc				388

<210> 2273

<211> 390

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 2273

cgttgctgtc	gcttatgtcg	tattgcttta	cagccactac	acttggattc	ctgttgatta	60
acttctccat	tctcttaagc	accttttaga	gatttagaag	tttcctagtt	ttaagtgttt	120
caccagcaag	tattccatac	ctacttgatg	ttgctggctc	ggtgtcttat	ttcctaaagt	180
gaagcatctt	tttttaaaaa	agaatttgat	tgacaatata	tccagtccaa	tataagtatg	240
aaggattctc	tctcctgaga	ttgtagcagg	cagccaaaca	ttttcaaatg	atgcccaagg	300
tttttagctgt	cttgtgtgca	tccacagtct	gcgaagaaga	catgataagg	acatcagggg	360
gccacaaga	ctcctaatag	cctcactacn				390

<210> 2274

<211> 389

<212> DNA

<213> Homo sapien

<400> 2274

ggcacgagcc	ggggcggggc	ggggcgaggt	cctaactagc	tgggttagta	agcggcgcg	60
gcgtgcgagt	ttctgtcgcg	cccgctcgct	cccagctccc	tggactacca	gtattgtcgc	120
ccacgtgggc	ttctctttcg	tccgctcagg	cctcactttt	ctccgtaaac	accccggcac	180
gatggagcgg	ccccagcggt	cgggagcggc	ccgggagcgg	aaagcggcag	tgtcctggga	240
gcctcgaaa	ccgcaggggc	ggcagctcgc	ctcggaatga	cctctgacgg	aagaaataaa	300

```
acggggcctg ggacgcttgc acgaaagaac ccgacaaaaa ccagagcccg cactcactct 360
cgtactgggg aggtggactt cagggagggg 389
```

<210> 2275

<211> 389

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(389)

<223> n = A,T,C or G

<400> 2275

```
ggcacgagac actgtcttga ctaanaaaaa taaaaggggg aaaaaaaaaa angggcgggtt 60
gggtttttggg gcccaaaaag ggggttgggga aaccccgggtt tttttgcctt atgccccccc 120
ctggacttcc ttgggaaaaa aagcctattg gcctttccca aaaaactttt ttttcaaaag 180
gaccggcttg tgggaaaaaa gcccccttg gggctttttg ggggggggta aaccccaggg 240
agaccgggga acctcatttc ttggccccgg tttttatttt tttgtaagct tttgaaaaac 300
attttttttg cccttttttg gggaggcccc cccttttata accccagggg aacaagggtg 360
caaactgcct aagacttccc cggggtggc 389
```

<210> 2276

<211> 390

<212> DNA

<213> Homo sapien

<400> 2276

```
ggcacgagcc cgagcggggc tgggactctt ttaagatgcc cacgttcgca cagagacccc 60
ggatcgcgga agctcgcgtc tcgaaaggcg gtctcacgcc ctgcccgtcc tgggttcacg 120
gttttttcac acctgcggct gtcttcgcat cgaccacagc tgtgcaggag gggcaggagg 180
tatctgttgc tgcagttacc ggaacctttg ccaggactag tacaggacca cgggctggta 240
gtcagggat gtctcgactg tgagttacag ctgcacgctc tccaggaaag aaggaatttc 300
ctcttctctg gaaacccac cacacagctg gtttctcatt ggtgctgctt gccattccc 360
tgagctgtga ctgccagagg agtgggaggt 390
```

<210> 2277

<211> 386

<212> DNA

<213> Homo sapien

<400> 2277

```
cgttgctgtc ggcagaggcc atagccatag ctgggggtca aacgagctgt cccggggggc 60
cagaggccgg acaatgccaa gcccaaccgg gacctgaaac tgcaggctgg ctccgacctc 120
cggaggcgac ggcggggacct tggccctcat gcagagggtc agctggcccc gagggatggg 180
gtcattggcc ttaaccccct gcctgatgtc caggggaacg acctccgtgg cgccctggat 240
gccagctcc gccaggctgc ggggggagct ctgcagggtg tccacagccg gcagcttaga 300
caggcgcttg ggcctccaga ggagtcctag cacctgctgg ccatgagggc cagccagcc 360
actgccctcc tcggccgcag cagggg 386
```

<210> 2278

<211> 385
 <212> DNA
 <213> Homo sapien

<400> 2278
 ggcacgagggc aaagcctcgc ggcgaggata gcacgagtat tcaagcgcgg ctgaggccct 60
 ccttggttag tgctgggaca tggagccccg gcagccaagg ccaaccttgt gcattccgcc 120
 cacgtaggcg cctggggccc tgggtcttct cgactgcctc tccactgcct ggaggcatc 180
 aaatgccccct ggaccacctc ctacgtgcca cacgtgtgtg tggccatcca aggttccata 240
 ttgagcataa aacagccctc tgccttaaag gagttaacct gttggaatca catacaaagg 300
 attctgacta ccaagcgctt tgaagttaag ttgaactctg aagacagatt gcctggctac 360
 aaagctcagt tccactacat atgggt 385

<210> 2279
 <211> 390
 <212> DNA
 <213> Homo sapien

<400> 2279
 ggcacgaggt gtccttctctg accttccact tccaccatgt gccgacactt ccctgacccc 60
 agtaacctct tctcttgggt gggatgaatgc cacctgctga tgtctgattt attcatcggt 120
 tttcttgtct gtatgtctgtc ccccttgggg acagggactc gttgctcatg ttcacccggc 180
 aggctggaca cttcgtggag ggctccaaag ccggcagatc ccggggccgc ctctgtctct 240
 cccaggccct gcgtgttgcg gtgagaggag catttgtgtc tctgtgggtt gctgctggag 300
 ctggtgaccg ggagagaaac aaggagaca agggcgcca gacaggtgcg gtgctcatcc 360
 aggaggcaga agacgtggac gtgtcccggg 390

<210> 2280
 <211> 386
 <212> DNA
 <213> Homo sapien

<400> 2280
 gttgtgtctg ctcacgcccc aaaaaacccc acagccccca ccccgctccc cccaatgaa 60
 gctggagttg aagatcgcca tctcagaggc cgagcagtct ggggtgctg agggcactgc 120
 gtctgtcagc ccccgggccc caatccgcca gtggcgaaact caggaccaca ataccacagc 180
 acttctccct aagccctctc tggggcgaag ctactcctgc cctgatctgg ggccccctgg 240
 cccaggtacc tgcacctggc cacctgctcc accccaacca agccgaccac ggccgcggcg 300
 gcacactgtg ggtgggtggg aaatggcccc agccccgcca cccctcggc cctgtctccg 360
 gaaagaggtc ttcctctctg gaggaa 386

<210> 2281
 <211> 390
 <212> DNA
 <213> Homo sapien

<400> 2281
 ggcaccaggc gctttgtgac tggaggtctt cgtgggcagt tctatcagtg tgacttagat 60
 ggtaatctcc ttgactcctg ggaaggggta agagtgaat gcctttggtg cttgagtgat 120
 ggaaagactg ttctggcatc agatacacac cagcgaattc ggggtataa cttcgaggac 180
 cttacagata ggaacatagt acaagaagat catcctatta tgtcttttac tatttcaaaa 240

aatggccgat	tagctttgtt	aaatgtagca	actcagggag	ttcatttatg	ggacttgcaa	300
gacagagttt	tagtaagaaa	gtatcaaggt	gttacacaag	ggttttatac	aattcattca	360
atgtttggag	gccattatga	aaacttcatg				390

<210> 2282

<211> 390

<212> DNA

<213> Homo sapien

<400> 2282

gcggagcgag	caacacagtc	ctttttcttt	cgtgcgctcc	gggccaaggc	ggaaaaagac	60
gaggacagtg	ttcctcacag	tactggacag	ctcacagtcc	gggctaagca	ggggctacct	120
tcacggacca	taaaactcca	agaggctcaa	gaagggacag	atcagccatc	acttcatggt	180
caactttgtc	agggagcgct	aggagccagg	aattttacctg	tgccggccaga	tggcacccttg	240
aactcatttg	ttaagggctg	tctcactctg	ccagaccaac	aaaaactgag	actgaagtcg	300
ccagtcctga	ggaagcacgc	ttgccccag	tggaaacact	catttgtctt	cagtggccga	360
accccagctc	agctgaggca	gtcaagcttg				390

<210> 2283

<211> 385

<212> DNA

<213> Homo sapien

<400> 2283

ggcacgagga	cttctcagcc	tgccgagcgt	actggaagac	aacgctctct	gctgagcaga	60
acgcacacat	ggaggctgtc	ctgcagagaa	gtgccgcgca	catgaggcac	cttttgatgt	120
cccagcagac	cctgaggaat	gtgccaccga	tagtgtttgt	tcaagacaag	ggaaatgcag	180
ctctagctga	gcttgatcag	ttactggcag	tcgcagactt	tggacccccg	gatgaaagag	240
acaactttgt	acaaaatgat	ttcagggacc	ctgatgcccc	acaaccctgc	ggcaccacag	300
agccgaccac	aagctccagt	ctgtgtggga	tcgatcatga	ggcgctcaac	aagcagatta	360
tggagtacaa	aaggaggaaa	gataa				385

<210> 2284

<211> 386

<212> DNA

<213> Homo sapien

<400> 2284

ggcacgagag	tcaagattgg	ctgcctcatg	ttgaggttca	gagttacgac	tcggactgga	60
cagaggcgcc	ggcagctgtg	gtgattggcg	gggagacctt	cggcggtgagc	ctggagtccc	120
tgcagctggc	cgagagcact	ggtggcaaga	ggctgctgat	ccccgttggtg	cctgggtgtgg	180
acagcctcaa	ctcgcccatg	gcggcaagca	tcctgctttt	cgaagggaaa	agacagctgc	240
gggggagggc	ggaggacttg	agcagggaca	ggagttacca	ctgaggacgc	agaagtgact	300
tctgcttgag	gacgtctgca	gtcctccta	caccagcaca	ctggtggggag	gctggcggag	360
tcagtgacta	tggccccac	gttcag				386

<210> 2285

<211> 385

<212> DNA

<213> Homo sapien

```

<400> 2285
ggtgatggag ctgaaattgc agaaaaatTT gttttcttca ttggcagtaa aaatggggga      60
aagactacta ttattctaag gtgtcttgac agagatgaac caccaaaacc aaccttagct      120
ttggaatata catatggaag aagagcaaaa gggcacaaca caccaaaaga tatcgctcac      180
ttttgggaac tcggtggagg aacctcttta ttggacttaa tcagcatacc catcacaggt      240
gacaccttac ggacgttttc tcttggtctc gttctggatc tttcaaaacc taatgatctc      300
tggcccacca tggaaaatct cttgcaagcc acaaaaagcc atgtagacaa agtgataatg      360
aaactgggaa agacaaatgc taaag                                           385

```

<210> 2286

<211> 389

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(389)

<223> n = A,T,C or G

```

<400> 2286
ggaagcaaaa aagattatat tcaggaaaaa cagatgagac aagaagagca gagggaaaaga      60
catttagagg ctgccgctct gctgagtgaag agaaacgcag atggtttaat tgtagctagt      120
cgtttccacc ccactccctt gctgctgtct ttgctggact ttgtggcccc ttcaaggccg      180
tttgtggtct actgtcagta caaagagcct ctgttggaat gctacacaaa actgcgggag      240
aggggagggg tcatcaacct caggctgtct gaaacctggc tcagaaatta tcagggttttg      300
ccagatcgaa gtcataccta actgctgatg agtggagggtg ggggttatct tctctccggc      360
ttcacggttg ccatggacaa ctttaaagn                                           389

```

<210> 2287

<211> 388

<212> DNA

<213> Homo sapien

```

<400> 2287
ggcacgagtg aaaatcaaag gagaagaatt tcctctgact ctgggtcggg atgtctctgg      60
cgtggtgatg gaatgtgggc ttgatgtgaa atacttcaag cctggagatg aggtctgggc      120
tgcagttcct ccttggaaac aaggcactct ttcagagttt gttgtagtca gtgggaatga      180
ggtctctcac aaacccaaat cactcactca tactcaagct gcctctttgc catatgtggc      240
tctcacagcc tggctctgcta taaacaaagt tggtagcctg aatgacatga attgcacagg      300
aaaacgtggt ctaatcttag gcgcttcaag cggagttggt acttttgcta tacaggtaat      360
gaaagcatgg gatgctcatg tgacagct                                           388

```

<210> 2288

<211> 386

<212> DNA

<213> Homo sapien

```

<400> 2288
cgttgctgtc gtggcactat tacagcgttt gctttgggtc tggaaccctc aggggcccgt      60
tgggggactg gaggatatga ctatgatgtt aagctttggg attttgctgg aatggatgct      120
tcttttaagg cattttgatc ccttcagccc tgtgagtgcc atctgatcat gttattacag      180

```



```

tttagtaaca caggagacat gattcttggt gtatctggaa gctctcatgc caaggtgatt      240
gtcagagatc gcgttttcat gtattggaat gcttaaaagg agaccagtat attgcggaca      300
tggccatcac caagggatcat actgcattgc tttatactgg ctcatggcat ccctaaatat      360
agggagaatt tatgacttgc tcaccg                                           386

```

<210> 2289

<211> 385

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(385)

<223> n = A,T,C or G

```

<400> 2289
ggcacgaggg acaagagaaa tacttgttgt tgcattgatat ctcagaatcg gaatttctaa      60
ctgaagctga aatcatttgt gatgttgatg gcctgggtata tgatgtcagc aatcccaa      120
cctttgaata ctgtgccagg attttttaagc aacactttat ggacagcaga ataccttgct      180
taatcgtagc tgcaaagtca gacctgcatg aagttaaaca agaatacagt atttcaccta      240
ctgatttctg caggaaacac aaaatgcctc caccacaagc cttcacttgc aatactgctg      300
atgccccag taaggatatc tttgttaaatt tgacaacaat ggccatgtat ccagaggatc      360
attacagaga cagactctcc cgagn                                           385

```

<210> 2290

<211> 387

<212> DNA

<213> Homo sapien

<400> 2290

```

attcaattct gcacgaagaa aagctgagaa aatgaccact ttggtgctat ggggaggcct      60
tgacctacatg ggcacaccgt ttggcatttt ggccccgctt acctggtggg aatattcctg      120
ggacatcatg gagccagtaa catacttcat cacttatgga agtgccatgg caatgtatgc      180
atatttttga atgacacgcc tgggaatatgt ttatccacaa gccagagaca gacaatactt      240
actatttttc cataaaggag ccaaaaagtc acgttttgac ctagagaaat acaatcaact      300
caaggatgca attgctcagg cagaaatgga ccttaagaga ctgagagacc cattacaagt      360
acatctgcct ctccgacaaa ttggaga                                           387

```

<210> 2291

<211> 384

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(384)

<223> n = A,T,C or G

<400> 2291

```

cgttgctgtc ggttttttga caagagcgca tactcatttc tttctctctt tttcaaatgt      60
gactaaatca cacttcccag ggacaccaag ctgtttctga ttgcaactgt aacagcctgt      120

```

```

gtaccagctg ggatTTTTgt attaagcagc tctatggggc tactatacca gcagaaaatt 180
agaagtcttg ctctaaaaag catttttcagc aaataacttg tttgttctta aagtttttac 240
tgccctcaatt tgtcagctaa tggatcacaa gtgattggga ctgcctggag cttttttcag 300
ttatggtctt agatgtgagt cagagaatat tatctattga gtttcaccca cttctctgcc 360
cctgtgcttt tacagactgg cctn 384

```

<210> 2292

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

```

<400> 2292
ttttggttgt cacaactggn gggatgttgt tttcatctag aggatagagg ccaggggtgct 60
actcaacatc ctacaatgca tgggacaact cccacaacaa agaattatcc agcccaaaat 120
gtcattagtg ctgaggttga gaaatactcc tctaaagtag ataaactcct tgagtaaaga 180
gaagtttacc atagcaactt tcagtagtac ttcaaagaag atagctgtat aaatgtcatc 240
aaactatact atgtagagaa tcttaagtga taaccagggc cacggattcc aaacatgtca 300
ttataaattg ttttatatgg tgctcactgg tgcatttttc cttttggata agggaaaaca 360
ttattccact tactgttttt g 381

```

<210> 2293

<211> 383

<212> DNA

<213> Homo sapien

```

<400> 2293
cgttgctgtc gctgggtgcg gtgggtgctg cctataattc cagctactcc agatgttgag 60
gcaggagagt tgcttgacc cgggaggtgg aggggtgcggg gagccgagat cgcgctactg 120
tactccagcc tgggcaacag agtgagactc cgtctccaaa aaaaaaaagg ggggtaaaaa 180
cctttgaaaa tggaccccggt tttttaactt tttattggaa atcctaaagg gggcttcggg 240
ttttcaaaag aattttccaa accaaccctt ggccggggga aatttgacct tttttggcaa 300
acggggaata ttttttttcc tggagccctt gggggggggg ggggaatttt gccttaagac 360
ccttgggggt ttttggggca aag 383

```

<210> 2294

<211> 384

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(384)

<223> n = A,T,C or G

```

<400> 2294
ctgacctcag gtgaccaccc tgccctcgcc tcccaaagtg ctgggattac gggtttgagc 60

```

cactgcgcct	ggccggggat	tatgttttaa	atgttatctt	tcacagcgtc	tgaagttctg	120
tgcttgaaac	ctaagtcatt	tggaatgtac	ttgttttgtg	ggtgtgctga	gaggatcggc	180
aacatggcaa	ggtagttatt	ataatataag	gtgagatggg	gcgggtatgtt	gtanaaccct	240
ctaanactac	cactctacac	tcctccttca	agattctttt	ctcgagctga	tcaaccatga	300
ttttgatgac	gtccttaccg	agccctgaga	aactaaaact	tcctagaggc	caccctttgt	360
agaaaccgac	aatccgtcta	ctcc				384

<210> 2295

<211> 384

<212> DNA

<213> Homo sapien

<400> 2295

cggttgctgtc	gcgttttcaa	attcacaggg	gagggggaat	gtctcatact	ccagccctcc	60
tgagcctagg	ccctctgtga	gatgtgtcac	catttcttgg	acaccatatg	agacattccc	120
cctcggatta	gagatgtca	acctgcac	acaaatctaa	agcctgcac	tggtaccct	180
ggggcgagtc	ctgtttacag	tgcctattcc	tggaagctgc	ctctttttgc	cttttgtttg	240
attatgtgat	gtattacttt	tcccagcagg	ccagtgtctag	catactggaa	gagggattta	300
ataagctggc	acccttgatg	ctatgctcct	aatccaacct	tatttgcctc	attggccatt	360
tccattatgg	tggcagccct	ccat				384

<210> 2296

<211> 384

<212> DNA

<213> Homo sapien

<400> 2296

gccgcactcc	actgcacagg	acacttatgc	caccctcttg	ccagatgcct	ttgaagaaag	60
agtcagactg	gtccaccctc	ccccagcccc	tggggctcct	tgagcctctc	tccagccttg	120
gcaggaggag	gaaaagcagc	acctccctca	gacagctgga	aaggccctct	tccttcccag	180
ctcagtgggt	ccggccaagg	gtcaccagac	gggtatttgt	ccccacctcc	ctaccaaccc	240
caagaacaca	ctccacaccc	ctcttcgctg	ctgcggtgtg	aagcttcagc	ctaaccat	300
cccacagagt	ccatctcgac	agcctgggat	gacacgggtt	ccccagaggg	ggacagagtg	360
ctgggtgtgg	gtgccagttt	agac				384

<210> 2297

<211> 379

<212> DNA

<213> Homo sapien

<400> 2297

ggcacgaggc	tatacacagc	tctgttttgt	caatgacctt	tgttgtaagt	ctcccaacgt	60
cctattagga	gccacagcag	gtgaggcatt	tgggtgcagca	ggaaacatgg	ggactgccta	120
ggctcgaatc	tgtggcaccc	tgagcaatta	cttaaattgt	ggagcctagt	tcctcatctg	180
taagatggac	ttgagattcc	tacctctcat	gattactatg	gagattgaat	aattggtaaa	240
attctcctag	ctcagtgaact	gccacaggat	gggtctttca	gattttggct	ctcttttagct	300
tctggttctt	gaaagaaatt	aatctgtata	taacataaga	aactttgaaa	gtcaaaaaaa	360
caaaaaattt	taattcctc					379

<210> 2298

<211> 384

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 2298
ggcacgaggt tttctcctgt taagctccat tgcctcttc cacattttgc tattattata 60
ataaacatta taaatgttaa aaactcaaca atatgttgnt aaacttattg ttttatgtac 120
tctatgcttt tttttttttt ttgaaaagga atttttcttt ttttcccca gctggaaggg 180
aatggcctta atttttttta acaaaaactt cgccttgggg ggttaaagaa ttttcaaatt 240
taacccttct gaagaactgg gaataaaggc ttggcgaccc ccccttcagt tattttgttt 300
ttttaagaaa accccgggtg tttcaaagta aaaagggggg gcttggaact ccgagcccaa 360
gggggtgccc cccaccttga aacc 384

<210> 2299
<211> 384
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G

<400> 2299
ggcacgagca aagaatttta ttcaattaaa cttgaaatgc atctggattc ttaaaggttc 60
agtagtgatc actgggacag ggcgatcata aaactgaatg ggctgtcgga aggtgtcgag 120
gcagcagcaa ggggtgacatt gccactgacg ggggcttccg aactggggac gtttgtcatt 180
gggatgtgtt acaagttcgg gctgtggaaa ttactcgatg aaaaacgcac attaacgata 240
gccatgaaat attagttaag ggaaactagg ttgagaaatg agacagcagg atctatcaga 300
gcctggcatt gttcgccaca gccaggtag tgattaaaaac gactgtcaag cggcagtggtg 360
tgggagctga ggagcacggn gctg 384

<210> 2300
<211> 384
<212> DNA
<213> Homo sapien

<400> 2300
cgttgctgtc ggtgtagtcc gagtttccac agccaggtac tactccgcca gtgaccctgg 60
acagtaacaa aacatataaa gcccgagccc aaaccccgcc accatcatag gtctgtagtt 120
actgtggaat caataagcca tggcatctaa gaaatttgct gttaaaagac ggggtttggc 180
tatgtaactc aggctagtct cgaactcctg agttcaagt atacacccac tttggcctcc 240
caaagtgtct ggattacagg tgtgagctac cattcctgac ctaggggctt ttctaaggaa 300
ggcagaaaaat gtttgccctaa cacagtgtgg gaattttgct gtctcgtgg atcttcatat 360
cttgccacaa ggttcaaaca aagg 384

<210> 2301

<211> 384
 <212> DNA
 <213> Homo sapien

<400> 2301
 cgactctcct gcttttggtat ttgagtttga tttaaacaaa gcgctcgtgga tgggaggtgt 60
 atcatacgat cattttaacc attgtgcctt ttaatgtgga aaatctgccc aaaataggac 120
 ctgctgcagt ggttttcaca tatacaaaga agtggctaga atgttctctc agaacagcac 180
 acgggattag aaaggacatt tggccgctgg aattcttcag tgagaattca gtgattaagc 240
 ctgccttctg ttttccttgt gggccgcagg gttcctgtgg atgtcccccac cctcagattg 300
 ctggagtaga aaacttaact ttccaaaaca ctgagttggt ttcagcccag cattagaggt 360
 taaagatgct catgtagaaa gccg 384

<210> 2302
 <211> 380
 <212> DNA
 <213> Homo sapien

<400> 2302
 caagtttgat gcaacataaa ctgataaagt ttgaaataaa aagagacagg ttggtaggaa 60
 agaccattca taccctatcc ccaaactggc ttaagtccac tcccactgcc cccagctacc 120
 accctttttac tttattctac ctgctatttc tttggccacc ggaataataa gcctgatgta 180
 aattctgttt catactccca caggtcaact ttttttggag tttgacaata attrattccaa 240
 gtcaagtaat tcattgattt tagtgggaaga ttgttttcca ggtgttattc ttccatgcgc 300
 ctacccccca tctcataaag tagaaaagag atgatttaat ttatgggtct agaaaataaa 360
 aatgtaaata cttgcttgtt 380

<210> 2303
 <211> 380
 <212> DNA
 <213> Homo sapien

<400> 2303
 ggcacgagat tttggagacg acatgggtgag aggctagctc tagggatggg ttagaaaata 60
 aagtcacctg gggactgggc caccctcttc cggctcccctt gcctgttggg gtcagggctg 120
 ccctgggaag ggcagcgacg ctgggttggg aggagcatag actgcagggc atctgcctga 180
 gtgtagagtc cctgggcctc taattctgta aaatcgcggt aatagcatcc gcttctctga 240
 gctgttagag gtgtaacagg taaacccatg taagtgcttt aggacagggc tgggtgctggc 300
 taagtgccgt taatatcgtc agcatcatta cctgcgttat ttagcactg atcgccatgt 360
 cagctgcctt caaggtctgg 380

<210> 2304
 <211> 383
 <212> DNA
 <213> Homo sapien

<400> 2304
 ggcacgaggt gtgttcctgt tgtggctatt tttagaatc ggtgtttctc agaattgata 60
 agaccatggc acaaaactgt gacgattggc tttggagtaa ccctgtgtgc ggttcctatt 120
 gcacagaaat cagagcctca ttcccttatt agtgaagcat tgatgaggag agcagcgtct 180
 ttggtaacag atagcacctc tacctttctc tctcagacca catatgcgtt gattgaagct 240

```

attactgaat atactaaggc tgtttataacc ttaactttctc tttaccgaca atatacaagt 300
ttactttggga aaatgaattc agaggaggaa gatgaagtgt ggcaggtgat cataggagcc 360
agagctgaga tgactttctaa aca 383

```

<210> 2305

<211> 379

<212> DNA

<213> Homo sapien

<400> 2305

```

gggaagagca cctagcccgg aatcccccta cagactagtg gcagtgggga cgctgggtgat 60
atgaggaggc agaggcagca cccaggagaa acagggcagt ggaccaatgg acagctccac 120
cagctccaca tctttggaag ctagatttgg ggagagagaa gctctacccc agacttaata 180
cccattgaaa tttcacctca ggtgttgtgt cctgtgtctg gttaagtgtc ccatggaagg 240
ggaaagcctt cacgtcagaa cccaacccta taccttttac ttcttaaagt gtgctaacca 300
caggtgtccc aggggtgctct gtgccagtta agatttttaa ctttcaaggg gcagggcata 360
ctgggaaatg tagtttccc 379

```

<210> 2306

<211> 154

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (154)

<223> n = A,T,C or G

<400> 2306

```

aagtttctcn nnacacgata tgatggggtc ttgggctaaa ggaggtccct gctgtcctgg 60
agaaagtcct agaggttatc tcaggaatga ctgggtggccc tgccccaacg tggaaagggtg 120
gcaaggaagc cttctcccat tatcccaat gaaa 154

```

<210> 2307

<211> 384

<212> DNA

<213> Homo sapien

<400> 2307

```

cgggtgctgtc ggggtggcttt tgcctttgat cccagctatg ccgaaggctg aggcaggaga 60
attgcttgag cccaagaggc ggaggttgcg gtgagccggg atcgcgcat tgcactccag 120
cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaaccc acccaaattc 180
tttttttaat gtagtagggg ttatatagat atactaatat aattgcattt ggagaattag 240
agtatgtatg gagcccacac atactgtgat ataaagtgtg tatacagata tttggatatt 300
ttctagtttg catgatgatt aagagaacca gatgggaaaa tacaatctcc aaagtgtatg 360
ttatcctgga attaccaat ttag 384

```

<210> 2308

<211> 384

<212> DNA

<213> Homo sapien

<400> 2308
 cggttgctgtc ggggtggcggg tgcctgtgat cccagctatg cgggaggctg aggcaggaga 60
 attgcttgag cccaagaggc ggaggttgcg gtgagccggg atcgcgatcat tgcactccag 120
 cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaaccc acccaaattcc 180
 tttttttaat gtagtagggg ttatatagat atactaatat aattgcattt ggagaattag 240
 agtatgtatg gagccacac atactgtgat ataaagtgtataacagata tttggatatt 300
 ttctagtttg catgatgatt aagagaacca gatgggaaaa tacaatctcc aaagtgatgt 360
 ttatcctgga attacccaat ttag 384

<210> 2309

<211> 379

<212> DNA

<213> Homo sapien

<400> 2309
 ggcacgagcc cgagctgccc cctggctctc agggaccctg gccagcagc cggggaagtg 60
 gccccggagc gtactcttcc cttgaggggg gctccctggg cacaggcccc ccctggaagg 120
 caaccgggcc gtgggggctc ccaggctggc cccccgcaca cggactcgtc ctgcttgctc 180
 acgcctccca gcaactccact tggccctgag cctggggacc cggactggcc agagtccggc 240
 ggccctgtg gaaaagcgct cccagagagg cagaggaatg gacccagcgg cctccggggg 300
 gcagctccgg aaggagactc tgcagccctt gcggaggagt cccctccagc cccgtccagc 360
 cgcagctcca gcaccgagg 379

<210> 2310

<211> 380

<212> DNA

<213> Homo sapien

<400> 2310
 ggcaccaggc gctttgtgac tggaggtcat cgtgggcagt tctatcagtg tgacttagat 60
 ggtaatctcc ttgactcctg ggaaggggta agagtgaat gcctttgggtg cttgagtgtat 120
 ggaaagactg ttctggcatc agatacacac cagcgaattc ggggctataa cttcgaggac 180
 cttacagata ggaacatagt acaagaagat catcctatta tgtcttttac tatttcaaaa 240
 aatggccgat tagctttgtt aaatgtagca actcagggag ttcatttatg ggacttgcaa 300
 gacagagttt tagtaagaaa gtatcaagggt gttacacaag ggtttttatac aattcattca 360
 tgttttgtag gccataatga 380

<210> 2311

<211> 380

<212> DNA

<213> Homo sapien

<400> 2311
 cggttgctgtc ggcacttctc cctaagccct ctctgggccg aagctactcc tgccctgatc 60
 tggggccccc tggcccagggt gcctgcacct ggccacctgc tccaccccaa ccaagccgac 120
 cacggccgag gggccacact gtgggtgggtg gggaaatggc ccgagccccg ccacccctc 180
 ggccctgtct ccggaagag gtcttccctc tcggaggagt gggagcctcc ccttctctca 240
 ccacatcttg ctgctccacg gcatccactt ccttctccga accagcagaa cccaggttgg 300
 gttcaaccaa agggaaggag ccaagagcct caaaggacca ggtgctttca gaacctgaga 360
 ccaagaccat gggaaagggtg 380

<210> 2312
 <211> 378
 <212> DNA
 <213> Homo sapien

<400> 2312
 cgttgctgtc ggccagagtg ttagaggtat ggggcagctt gagaagaaag ggaatggctt 60
 aaaaaagcca ctatgcagat caaaaaaggg aacagggtta aggtgagtag aatactgacc 120
 agccccatag ataacaataa acaatgttaa atatgcgaat gacagaattg aaagtcattc 180
 aatgcaactt catcaaaggt gagtcaggct tgggtattgac aaaagaaaga ggaaaactca 240
 cagtgaagta gtggagtcca tttatgtagt tatgtgttct acctttttaa attgtagtaa 300
 actgagtttg ggatagattg attctttcat acattctact ccagttagta gatattaaat 360
 atatacatat attttatg 378

<210> 2313
 <211> 152
 <212> DNA
 <213> Homo sapien

<400> 2313
 catgatatcc tgaaaccac gccaggaact gaacctggta aagagaataa ggagtttggc 60
 ctgagaaaag caaactcttg cattctcaga caatgaggta gatcagttac cctacttcac 120
 agcataagag gggaatgtgc tctcagcatt tg 152

<210> 2314
 <211> 377
 <212> DNA
 <213> Homo sapien

<400> 2314
 ggcacgaggc aacctctgcc tcccagggtc aagtgattct cctgcctcag cttccccaat 60
 agctgggact acagggtgtgc gccaccactc ccagctaatt tttgtatttt tagtagagac 120
 agggttttgc catgttggtc aggctgggtc cggaactcct gacctcaggt gatccaccgc 180
 cctctgcctc acaaagtgc gggattacag gcatgagcta ccgtgcctgg cctaaacctt 240
 acgcttttga ggttgagtgc aggccttggtg ataactaagt gctacttttg acgagccttc 300
 aacaagctgc ccagtcctct cctcagcaga cgcacaggt tgtagttgca tctttacagt 360
 ggtctttcct tttattt 377

<210> 2315
 <211> 377
 <212> DNA
 <213> Homo sapien

<400> 2315
 ccgagttgaa ttttctaagc gcaagtctgc aaaggagaaa aagtcctctt ctaaggatag 60
 ccggccatct caggetgccc gggataacca gggagatgag gtcaaggagc agacattctc 120
 tggaggcacc tctcaagata caaaagcatc tgagagctcg aagccatggc cagatgccac 180
 ctacggcact gggtctgcat cacgggcctc agcagtttct gagctgagtc ctcgggagcg 240
 aagcccagct ctcaaaagcc cctccagtc tgtgggtggtg aggcggcggt caccctgtcc 300
 tagccccgtg ccaaaacctt gtctccact ttccagcaca tcccagatgg gctcaactct 360

gccgagtggt gccgggt

377

<210> 2316

<211> 153

<212> DNA

<213> Homo sapien

<400> 2316

ctaaatcttt	tccttttgc	tctccttaaa	ttgattgtac	ttccaaattt	gctgttatga	60
ttttttccta	atactgtgat	ctatctgac	tcagacaa	aacctgtct	ctgttgaaga	120
gcatcaagg	gagattatgt	acacattgaa	atg			153

<210> 2317

<211> 376

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(376)

<223> n = A,T,C or G

<400> 2317

ggcacgaggt	gtgttcctgt	tgtggctaac	tttaagaagc	ggngtttctc	agaattgata	60
agaccatggc	acaaaactgt	gacgattggc	tttggagtaa	ccctgtgtgc	ggttcctatt	120
gcacagaaat	cagagcctca	ttcccttagt	agtgaagcat	tgatgaggag	agcagtgtct	180
ttggtaacag	atagcacctc	tacctttctc	tctcagacca	catatgcgtt	gattgaagct	240
attactgaat	atactaaggc	tgtttatacc	tttaacttctc	tttaccgaca	atatacaagt	300
ttacttgga	aatgaattc	agaggaggaa	gatgaagtgt	ggcaggtgat	cataggagcc	360
agagctgaga	tgactt					376

<210> 2318

<211> 378

<212> DNA

<213> Homo sapien

<400> 2318

cgttgctgtc	ggtttttgc	tttttagtgg	agatgggggt	tcaccgtgtt	ggacaggctg	60
gtctcgaact	cctgacctcg	tgatccgccc	gcctcgccct	cccaaagtgc	tgggattaca	120
ggtgtgagcc	accgcgcctg	gccagttggt	acctaactct	taacaccttt	ccttgccgtg	180
acgtccaagc	caccccttc	ccacaacccc	tgttcctctg	gggaatacac	tgtttttgca	240
ctttacctcc	ctaccagcag	ctctttccag	attgcagggg	cgagctggtg	ggaagcttgc	300
agattgtttc	gcactgccgt	gtaatctgtg	tgctgtcac	tggggtctgt	tcttccttga	360
gttggtacag	tgaaatat					378

<210> 2319

<211> 373

<212> DNA

<213> Homo sapien

<220>

<223> n = A,T,C or G

<213> Homo sapien

<213> Homo sapien

<213> Homo sapien

[illegible]

aaggatgcc atctggacat ggagccgaca caggtagtca gggggccagc gggacgctta 300
 ccaacagctg tcttttcccc acctcagaat agcattcctt tcgaacacca cggcaagtag 360
 ctgctcgtct cct 373

<210> 2323

<211> 375

<212> DNA

<213> Homo sapien

<400> 2323

cggttgctgtc ggggcggttcc tgtcgggggtt gcagcggcgg gaggagagccc agtggaggcgg 60
 cctccccgaa gcgccactgc ccatgctgac caccagagccc ttcggctgct gatgtcatga 120
 gtaacaccac tgtgcccacat gccccccagg ccaacagcga ctccatgggtg ggctatgtgt 180
 tggggccctt ctctctcatc accctggacg ggggtgggtgt ggctgtggta atgtatgtac 240
 agaagaaaaa gggggtggac cgggtgcgcc atcactgtct ccccatgtac agctatgacc 300
 cagctgagga actgcatgag gctgagcagg agctgctctc tgacatggga gacccaagg 360
 tggtagatgg ctggc 375

<210> 2324

<211> 377

<212> DNA

<213> Homo sapien

<400> 2324

cggttgctgtc gggcagctca cggcaattgtc atgagatggg gtgttcccag tcatgcccac 60
 ggcattctctg cctcctcggg cccacactgc ctgcacctgt ggcctgagtc ccttcagctg 120
 tgtgggcctc cctgagtgcc ctgagtgagg tggcagaagg ggtgagaggc catggcgtct 180
 ttggggctgg tgagccggat ctggccatct gtcacctctc aggcgtgcag gactaatcc 240
 ctccaagcct cagttggcca cagtgagaag gggcctggta acactgtcct ggatgccagg 300
 ttgttgtaga ggaccgggt taacctctgg cagggaaggag gtgctcacga ggtgggcaca 360
 ggcagagggc tggctgt 377

<210> 2325

<211> 377

<212> DNA

<213> Homo sapien

<400> 2325

gccgtcaggt gcgggcccag gtggcaggcg cggcgttg gcaactggggg acgcgggcgc 60
 gtcaggtgaa gactgggggc cgcaggcgcg ctaggagaac tatgccattt ttgggtcagg 120
 actggagatc tcctggatgg agttggatta agacagaaga tggctggaag agatgtgaat 180
 cttgtagtca gaaacttgaa agagagaata accgttgtaa catcagtcac agcattatct 240
 taaatagtga agatggagaa atattcaata atgaagagca tgaatatgca tcgaaaaaaaa 300
 300ccattttaga aatgacacaa atactcaaaa ggcattggcta ttgcaccttg 360
 ggagaagcct ttaatcg 377

<210> 2326

<211> 368

<212> DNA

<213> Homo sapien

<400> 2326
 cggttgctgtc ggattgccaa agagtgatta tgtggctgag tgattgatga tggctctgaac 60
 tgggtattca gggaagagaa ctagaagcca accatgtaga atctatgcag gtgctcttaa 120
 gacattgggtt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac 180
 tttttctatg attagacaat tgatttggtc agggtcacag agcaaagtcc acatttaatt 240
 ccacatggcc aataaaaagtg aggggctaca aggtgagatc cagggggccag agttatcaaa 300
 gtgatacagc acttttagga ataggacagg gaatggagga attggaattc cagtattact 360
 ttcaaaag 368

<210> 2327

<211> 372

<212> DNA

<213> Homo sapien

<400> 2327
 cggttgctgtc ggattgccaa agagtgaaga tgtggctgag tgattgatga tggctctgaac 60
 tgggtattca gggaagagaa ctagaagcca accatgtaga atctatgcag gtgctcttaa 120
 gacattgggtt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac 180
 tttttctatg attagacaat tgatttggtc agggtcacag agcaaagtcc acatttaatt 240
 ccacatggcc aataaaaagtg aggggctaca aggtgagatc cagggggccag agttatcaaa 300
 gtgatacagc acttttagga ataggacagg gaatggagga attggaattc cagtattact 360
 ttcaaaagca gt 372

<210> 2328

<211> 150

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(150)

<223> n = A,T,C or G

<400> 2328
 gaatttaaca cangnggata ccgaacttcc attcttttagt cattccaggc ggatctgagt 60
 tttatattcg aacttttaat acagcttttg agttttgagt gacttgaatt tttaattctt 120
 nttttaatac gtagcttaaa tgaacatatg 150

<210> 2329

<211> 368

<212> DNA

<213> Homo sapien

<400> 2329
 ggcacgaggt ccagggtaca gttccttttag aggttctctca ggtgaaacca aagagaactg 60
 atgatggcaa gggattaggg atgcagttaa aggggccctt ggggcctgga ggaagggggc 120
 ccatctttga gctgaaatct gtggctgctg gctgcctgtg gttgctgggc aaagacaacc 180
 caagccccggg tccttcaagg gattctcaga aaccacttc cccactgcag tcagcaggag 240
 accatttgga agaagaacta gatctgttgc ttaatttaga tgcacctata aaagagggag 300
 ataacatctt accagatcag acgtctcagg acctgaaatc caaggaagat ggggaggtgg 360
 tccaagag 368

<210> 2330
 <211> 372
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(372)
 <223> n = A,T,C or G

```
<400> 2330
cgttgctgtc gcttattatt gctattaata ttagtttttag ctgccaataa taaattgagt    60
tactgttgat agcaatgtca atgtcaaata taatacttga aagtttttat ctcaacacat    120
ttctttcctg aacctcagag ctgtatgtcc aactgcctgc ttacttcagt atctccactt    180
gaagatctta aattcatatc cgtttgcta aacctgaact catcgtcctc ctccaactgc    240
tctaccaca gctttcccca tctcagttga aggcagcgcc atctcccact cctatcgctc    300
aggacagaaa cctcaggtt gtccctggct ctttctctca gctctgctc ctaaatatgt    360
ccatcatcca cn                                     372
```

<210> 2331
 <211> 367
 <212> DNA
 <213> Homo sapien

```
<400> 2331
aattccgttg ctgtcgggtg cagggccttg gatgtcaggc caccctgtgt ggggtccctg    60
ttggcagcca ggtccctaca caaacaagta atcctgtttg gcctcctagg ttttgcatat    120
gacctgcagc ctaatttggg gtgtagggga agctctgctg gcccttgctc ctttgtatgt    180
tgggtgactt taatggctgg ccacataccc ctttctccca gctactcatt cactgacttg    240
ggtaagtctt aagacagttc gcacttagaa aagaatgtga cacatcaaca ttaacttttc    300
ctgaaaagaa gagtttgcct aacatggtcc taaagaagct tgggaatttat aagactttcc    360
tttataa                                           367
```

<210> 2332
 <211> 367
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(367)
 <223> n = A,T,C or G

```
<400> 2332
aattccgttg ctgtcggact tggcaccctc tgtgccctgg ggcccctgcc cagctggctg    60
ggccacctcc gtgtctgggt tcatcggcag tccccaagac ggtgctccag gcccttagac    120
agggagtgcg atcccacggc agtgggcagt cctgtcccgc gagcccggcc ctcagtctga    180
gtggtgctga cctctaactg tggacgccat gctccatcct cctggtgggt ggcggcgggg    240
cggggggggc ggccatgctg ggcagcccac acaagccact gtcacctgct gtcgccacct    300
ggccgaccct ggttgattgg ggaatgctgt cagccccgca gccctgtgg ccatagctgg    360
```

367

```
<210> 2333
<211> 364
<212> DNA
<213> Homo sapien
```

<400> 2333							
cgatgctgtc	gatctttctg	tgttttttta	tactctttta	gggttggtt	tttacaaacc		60
atgactttcc	acttgccgtg	agttttttgt	ttgctttggg	ttggtttgat	tttatatttt		120
tttctcctaa	tctatgactt	tattgttttt	tcttaggtta	gtaatagcat	ctttgatcct		180
gtgcttagca	tgttaggggc	attataacct	aggaatagca	agctgttaag	taaccatact		240
gaattaacta	tttaattaca	gtgagctcat	ctcttaaaaa	ttgttcaggt	gtaaatctta		300
tgagaaacat	gaaaaagcac	actgatttat	ggagagttga	gctaaaaaca	tttataaata		360
tttg							364

```
<210> 2334
<211> 366
<212> DNA
<213> Homo sapien
```

```
<400> 2334
aatccggttg ctgtcggcat cttttagta cacttgtcta ttcagacaag atcctcatga      60
tttcagaaaa aatatagaga ggggcctaga ctgcttaata gaggaagaa gtatcctgga     120
aagcttgtaa agaacgttct agagccacaa catgattgta ggccaagggc ttgttttugt     180
gaccttgatc taagataatg ccattgggtga ttgatgttg gaagaatctt tgattggaat     240
ttggagtaat attaaggtag tttgtctttt ctgcagacat ttttaggagt ctttttgtgt     300
gagtgggtggt ggagtgtata gttttgttga acctagttaa attctgaata tcttcccact     360
aaaagc
```

```
<210> 2335
<211> 364
<212> DNA
<213> Homo sapien
```

```
<400> 2335
ggcacgagac ccgggaggca gagcttgctg tgagccaaga tcaagtact gcactccagc      60
ctgggcgaca gagtgagact ccatctcaca aaaacatgac ctggacaggg ctgaaccgga     120
aaaaaatgcc ggggggcttt tcaaaaaga tctttagggg gaaaaaaatt tttttaacca     180
agacccaaac ctaaaaacccc caaaaggga aaccggacaa acttggcccc tgggtttttg     240
gggaaaaaca accttcgggt taataaacca aatgggggcc gggggttttt ctgcccgga     300
ccccaccat ttgggggggc aggggcaacc ccccttttg gcctaggagt gggaaacccc     360
ccgg
```

```
<210> 2336
<211> 147
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc feature
```

<222> (1)...(147)

<223> n = A,T,C or G

<400> 2336

```

cgcgtgctac gttcccatat ccaaatttgg aagaaaccac aaggctgcct ctgactgagg      60
ccacaaatgg gcacatagtt taccttcact ttttgaaaac catattaaga ttgagtcagc      120
actccatatt actgcttgat gaccacn                                     147

```

<210> 2337

<211> 359

<212> DNA

<213> Homo sapien

<400> 2337

```

actactgctg cgagaatacc acagaagggt ttcgcggcaa gaatatacgg aaggggaggg      60
gctagatgca agcagagcac atcccccggt taaagcacta tgggtggcttc acagtgcgct      120
tagaaaaaag agaaattctt tttatacaat ataagtctct gcagaatgca gacactttct      180
acttctccag gctcttttca actcctctcc tactagcttc tgtatttaag ccacattaga      240
cctttcttca gttttttata tagactttgt tgcatacac ctcagagatt ctgtgcatgt      300
tcttctctcc gcctagaaag gatcgctcct ccactttcac caactaatcc cttctcacg      359

```

<210> 2338

<211> 144

<212> DNA

<213> Homo sapien

<400> 2338

```

tcattttgat aactagcttt ccagggtggac ttagccatag gaaaatatta ctaatgtaat      60
ttaacaaatt gctgcatgta tttcatttaa aaatatgctt aaaatgtcct aaaacaaata      120
attatctccc taagaggatg catt                                     144

```

<210> 2339

<211> 342

<212> DNA

<213> Homo sapien

<400> 2339

```

tacggctgcg agaagacgac agaagggacc ccctaccccc tctaagggct tcaccaattg      60
ttcttttagcc agagactcct tctaccagc tcgccagcca cctttgtgca gtggagggtg      120
agaatgcccc aaggatgcac gtaatggacc agcctttcca gcatttggtt ttgggtccca      180
gaaattttga gctttggcaa atcttacaag ctctgtgagc ctctgtttcc ccattgtctc      240
atattcagag gtgctgggct ggactccac tgccagtcc ctgagctgtg cagggactcc      300
tgctctgcat ggtttgtttt ggtgctcatg ggaccataag tg                                     342

```

<210> 2340

<211> 188

<212> DNA

<213> Homo sapien

<400> 2340

```

cccagggtag cgccagcgcc aagatactgg agagcaagtg tccagcccca gcagccaccc      60

```

```
cgcccttcac accaccaccg aggacagtgc aggggtgcac actgagttct aggccagtgg 120
gtccctgact gctgcacatg gcacaggccg ttcccttcg gaccaggca ggctcagctc 180
tggggagg 188
```

```
<210> 2341
<211> 460
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G
```

```
<400> 2341
acaggggcat tggannnnnc ctcttgctct tttgtgacga tcccatcgat tctaattccg 60
ttgctgtcga aatgacttat tttatatggg atgatacaca taggttattt gcaaatacta 120
cactatttta tatgagagac ttgagcattc gcagatttcg gtatccacgg gaggtcctgg 180
aaccaatccc ctatggatac caagggactg ctatgtatta caaagccaca tgctttggaa 240
ttacttcagt ggtccttcta ttttcattaa cactgatatc tagtttaata tgaaaaggaa 300
cttgaaatct tgaaaattag aacatcgtaa tttttttcta cttgcaatgg aaaatctatt 360
ttgctttttt gcttctagga aaatattctg attatgatat gtgatatggt ggctactcaa 420
agtcagaact tttcaaagta atcagtaa at tgaatcaaca 460
```

```
<210> 2342
<211> 465
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G
```

```
<400> 2342
ggtcttcgta ntttcgnnnn atcccatcga ttcgtctgca gtaaagtatt ttcacttctt 60
ttcttcttct caatcttctc aatcacctgc ccctagaatc tgagtgggtc taacctagac 120
ctcttgctgg ccgagattta tacaatgtgg ttgtttttcc ttatcttgac taatcttccc 180
gaatcttaca ttgtgcctta atttgacat ctgcacctct aatgtctgcc tatattatct 240
ccttggtcca caaggacctt gtgggagagc tgctcacatc tcaacatgta aataaaatgt 300
gcctttgggt caacacagga gaggtgattc caacgttaac aagttggtca aggaaaactgt 360
cagctgttta tttttatttc aatctcttct gttaaactat aacacactga ttgagcaact 420
aaacactaat atgcagagag gaaaaaaaaca caaaaaatat attgg 465
```

```
<210> 2343
<211> 466
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
```


<222> (1)...(466)

<223> n = A,T,C or G

<400> 2343

```
gcctacgtag nccccgtnan gttnnnatag attcccagtc cgttggtgtc gcaacattca      60
gggcttcatc gaagagtttc ttcagatctt cagctccttg ctgcaggaga ggaggttcct      120
ccgggactat tatgcactct tccccgaggc cgaagacatc agcttgctgc agcaggcctc      180
atcagtcttg gacgagacgc ggactgccta catcctccag gcagtcgaga gtgcatggga      240
aggggtgcac agacggaaaag ccacagatgc taaagaccca tcggtgattg aggagtctaa      300
tggggagcct aacgggggtca cgggtgacagc agaggcagtc agtcaagcat catcacatcc      360
ggagaactcg gaggaagagg agtgcattgg agcagccgcg gctgtggggc ctgccatgtg      420
tggngtgga ctggactctc tcattctcca agtgaaggac ctgctg      466
```

<210> 2344

<211> 453

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(453)

<223> n = A,T,C or G

<400> 2344

```
cgttgctgtc gccagggtac ttctccgttg atgtgaataa tgtggtactc attttaaatg      60
gaagagaaaa agcaaagatc ttttatgcca cccagtgggt aatttatgca caaaatttag      120
tgcaaattca aaaactccag catcttgctg ttgttttgcg cggaaatgaa cattgtgata      180
atgagtggat aaaccattc ctcaaaaagaa atggaggcct cgtggagctg cttttcataa      240
tatatgacag cccctggatt aatgacgtgg atgtttttca gtggccttta tgagtagcaa      300
catacaggaa ttttctgtg gtggaggcaa gttggtcaat gctgcatgat gagaggccat      360
atztatgtaa tttcttagga acganttatg gaaaatcatc cagacaggca ctaatgaaca      420
tttttgaaaa agattggaaa cgatagcggt gtt      453
```

<210> 2345

<211> 423

<212> DNA

<213> Homo sapien

<400> 2345

```
tcgttctttt tgcggagccc gtcgagtcga attccgttgc tggccgctta ttactttcat      60
ataagaacat tacagggttg gtttttcttg catgggtggc cacctaagt ttaaggagtt      120
ctggtacctc ttctattctt ttattctatt cgattccatt tctgtgattc ttttattacc      180
actgatgttt tgcgatagtt aactatgata aatttaactg atcatgattt atcttctaga      240
gtattttaaat aatgtatgag tgaccacca attccaacat taaaagtgtg atctgggccc      300
ataatttata gtgaaattgt atcaaaacat agggaaactg tattactggc cattttgaaa      360
atatgaaact tgagtattga aaatattcca acatggaatg gcagtattct aatttcagtt      420
agt      423
```

<210> 2346

<211> 425

<212> DNA

<213> Homo sapien

<400> 2346

```

ggcacgagag aaactggtgc tagattttat ggatatacaga ataggaagtt atttgttctg      60
aatcttcagg tggttttcct tttctcttaa atgttaccac tttcctgcaa atttccatcc      120
ttaatatgtt agactgttca tatagatata ttgtgtttac aacaaggaaa aaatgccacc      180
atgtgctcag aacttttttg acaggtatth tgagaagagt tgcggaacat tctggtaatt      240
tgtagagatc tgttggcacc tctgcttcac aaactggaaa aaatcatttg taagtcttgc      300
taattacttt tcttggagaa gaaaaaaaaat gctacagctg caacaaatgt atagttttca      360
aaaagaaaca actttttttg tccccagtt attcttagtt tccagccac gccttgcgat      420
agcgg                                           425

```

<210> 2347

<211> 429

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(429)

<223> n = A,T,C or G

<400> 2347

```

nnnatacgga cgagatthttg cgtgaattat ggggtgaaga ccttgccac ttaggttttc      60
tatctctgtc cttgatcttc tttgcaaaa tgtgagtata cagaaattht ctgtatatth      120
caacttaaga catthtttagc atctgtatag tttgtattca atttgagacc tthtctatgg      180
gaagctcagt aatthtttatt aaaagattgc cattgctatt catgtaaaac atggaaaaaa      240
aattgtgtag tgaagccaac agtggactta ggatgggatt gaatgttcag tatagtgtac      300
tcacttagga gaatttgcag gagaaagtga tagtttattg tthtctctc gcccatatth      360
agntttgttc tacttctctc ccttctcttc agatgataac atcacatctc tacagtaagt      420
gcctctgcc                                           429

```

<210> 2348

<211> 425

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(425)

<223> n = A,T,C or G

<400> 2348

```

cgttgctgtc gcagctgtgt tcactcacca ggtacctgca gaaggcctac aggggtgccag      60
gcacttctth aatgtgttct tctthtatgt gattatttga ttaatctctg cctccccac      120
tagactgtaa gctccctgaa ggcaagaatc ctgtgcttat gctcaatatt agctctccct      180
tggcacagag taggcactca acaaatgtc cccaaaaggc tgagtggctg actgaattaa      240
gtaccagtga catgcagtaa ctgctaagat agatgagcca tctgtatgct ctgacagtta      300
cagactgaat aagttggaga ctthcctaaa ggggtggcatt tccccagggt aacaacgcaa      360
agctcangtg tgggaagggt ccaggggcag ggggtgcaaag gggctgaggc tgaggggggt      420
gcaaa                                           425

```

[illegible]

```
<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G
```

[illegible]

```
<210> 2351
<211> 429
<212> DNA
<213> Homo sapien
```

<400>	2351							
ggcacgaggg	acttcggtct	ctgcggggac	gtccacgtgc	ggctgcgcca	gcgcattcatc			60
ttgtacgaat	taaaggtgga	gctggaggag	acagtgggtgc	ggcgccaggc	tcgggtgcgg			120
acgctggggc	agcaagccag	ggttttggtt	gtgcgggtgc	tgctcaacct	gctgggtggtc			180
gcgctcctgg	gggcagcctt	ctatggcgtc	tactgggcta	cgggggtgcac	cgtggagctg			240
caggagatgc	cccttgtcca	agagttgcca	ctgctgaagc	ttgggggtgaa	ttaccttccg			300
tccattctca	tcgctggggg	caattttgtg	ctgccggccc	gggtcaagct	cattgcttca			360
ctggagggct	acactcggag	gcgccagatc	ggttttattc	ttgtcaagac	cgtgtgtctt			420
tgccttcgg								429

<210> 2352
 <211> 428
 <212> DNA
 <213> Homo sapien

<400> 2352
 cgttgctgtc gaaaaaagag aagttcgctt tatggacaga ctctgtgaat gggaatttgc 60
 ttataattgt gagtagttct gaattagaaa agtatgtgaa ggaaaggcag ctgtaaacgt 120
 attgtgccct ggagagttgt acacatgttg aaatgtaatc tgggcttacc tgatccattt 180
 ggagtggatg tcaactgccga gtctgttctc acatggaacc atgtgtgtgg ggttgccagc 240
 ctcacagata caatcaatcc tattcccctc tgacataagg aactcctctg gagtggcaga 300
 gtcttatcac agaaggcagc caccatttca ccaaaacaaa agttcacggc attcaattcc 360
 tttttccttt agctatttat atatgcagta ctctcagtc tatgcagaaa tacttttttt 420
 tttttaag 428

<210> 2353
 <211> 432
 <212> DNA
 <213> Homo sapien

<400> 2353
 ggcaccttgg ctccccggca ggaggtggac acccatccag aggcctggct caaggtgacc 60
 tcaccttcac catgggcttc ctgggtgctc gggcctgagc gcagggtgtt ttgtacatat 120
 tggaatatgt gttaacttat gccccgcac ccaactcaca cggaagcacg ggtcttgtct 180
 cagtctcttc gctgcatttg gaaagcagtc tctctcggg ccagcgccgg gctgaggtgt 240
 ccagaggcgg cggcagctgg cagtgcctc agcccccaag tgtccagcct ggcacttccc 300
 attcaggcca cctgcttgg gtcaacagtt cctttgccag cagcatctcc taaattgtaa 360
 ggactctgtc caccggggcc ctcccagggc tgtgaggaca gaaacaggca gggagtggag 420
 ctaacagctt at 432

<210> 2354
 <211> 437
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(437)
 <223> n = A,T,C or G

<400> 2354
 cgttgctgtc gggggaccaa ggccgggact gctgtggtga aggtccggga ggctgagtaa 60
 ggggacggaa gggcacaggc catggaaagg aatgacatca tcaacttcaa ggctttggag 120
 aaagagctgc aggtgcact cactgctgat gagaagtaca aacgggagaa tgctgccaa 180
 ttacgggcag tggaacagag ggtggcttcc tatgaggagt tcaggggtat tgccttgca 240
 tcacatctga agccactgga gcggaaggat aagatgggag gaaagagaac tgtgccctgg 300
 aactgtcaca ctattcaggg aaggaccttc caagatgtgg ccactgaaat ctccccggag 360
 aaagcccccc tccagcccga gacgtctgct gacttctatc gtgattggcg acgacacttg 420
 ccangtgggc cagagcg 437

<210> 2355

<211> 431
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 2355
 ggcacgagac aggtttctaaa gaagtaccca cgcctctggt gcatgaccaa gccccctagc 60
 cggcggccga agctttacat cgtgaacctg cagtggaccc cgaaggatga ctgggctgcc 120
 ctgaagctac atgggaagtg tgatgacgtc atgcggctcc tcatggccga gctgggcttg 180
 gagatccccg cctatagcag gtggcaggat cccattttct cactggcgac tccccctgct 240
 gctggtgaag aaggcagcca cagtcggaag tcgctgtgca gaagcaaaga ggaggccccg 300
 cctggggacc gngtgcacc gcttagctcg gccccattc taaggggctg gtttggcagg 360
 ggcttgacaa aacgcacaaa aaggaagaaa gtgacgtaat cacgtgctcg atgaaaacaa 420
 gttgcacttt t 431

<210> 2356
 <211> 427
 <212> DNA
 <213> Homo sapien

<400> 2356
 ggcacgagag acgctctttc ggtggctggt gccacacgga ggcaagagtc tcttgctgaa 60
 taacgagctg aagaaaggac cagcgtggt tctgttcata ccttttaatc ccttgccga 120
 aagtcatect ttaatagacg agatcaccga agtggccttg gagtacaaca actgtcatgg 180
 ggaccaggtg gtggagcgtc tccttcagca cctgcggcgg gtggatgctc cagtgtgga 240
 gtccctggcc ctggaagtgc cggcacagct gccagaccg ccaacgatca cagcgtcccc 300
 ctgctgcaac actgtggtgc tgccccagtg gcactccttc tccaggacc ccaacgtctg 360
 tgaactctgt gtcaaccaga cctccggggg catgaagccg agctcgggtc gcgtgccaca 420
 gtgcacg 427

<210> 2357
 <211> 427
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(427)
 <223> n = A,T,C or G

<400> 2357
 cggttgctgtc gccaaactcca aactgacctg ggccgaggct gcctcgtgag cctcccagag 60
 cccaggcctc cgtggcctcc tctgtgtga gtcccaccag gagccacgtg cccggccttg 120
 cctcaagggt tttttgcttt tctcctgtgc acctggcgag gctgaaggcg aggggtggag 180
 gagggccccg cacagcctca tctccatgtg tacacgtgtg tacgtgtgta tgcgtgtgtg 240
 tacgcgtgtg tacgcgcgtg tgtacacatg cgtggccgcc tgtggtgtgc acgtgtgtc 300
 tgggctccga ggcttctcca gagctgggag ctggctggcg tggcaagggc atgctctggg 360

gcagtgtgtc cctcaggaac cagggtcctc cctccccctt ctgcctggc agccccgtgg 420
nctctgg 427

<210> 2358

<211> 439

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(439)

<223> n = A,T,C or G

<400> 2358

ggcacgaggc	ggactctaaa	tgctctggac	aaggatgtgc	acgcggtggg	caaggctgac	60
ttgggcagag	gtccggggcc	cagggtgtcg	agggctaaag	gcccagggca	gcagcgtgcc	120
ttgggggctg	gaggaattcc	aagaaggttg	cagtggagga	ccccgcaagg	ggaccgccct	180
ctggggaaaag	atggagcacg	caggggcccag	acaccaggtg	gtgtagggca	gggtgtgggc	240
actaccccg	ggcccctggt	tcctggggca	actggcccac	cagccctgcc	aggtcagggg	300
gtttcctgag	tgtgcaaagc	ttctctctcc	ttccttgccg	attcttcctt	ttacacgtga	360
ttntagttat	ttactcaaca	agcatttatt	gccgggcgcg	atggctcatg	catgtaatcc	420
cagcactttg	ggagggcgga					439

<210> 2359

<211> 429

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(429)

<223> n = A,T,C or G

<400> 2359

acctacttgn	nngnttggca	ggatctcatc	gatatcaatt	cggcacgagg	gatgctccat	60
ccaaagtga	ttatgcctac	agacctggta	cctggatttt	tgcccgagat	gattcctacc	120
accttactac	tgacgaagac	acccattcca	gtggaccact	gtgacccagg	aggcattcag	180
ccatcatgat	gtggccttta	cctccactcc	tgtcttggtc	taccagatt	cagcacagcc	240
ctttatagt	aagacagagt	cctcaagcca	aatagctaaa	gctgttttat	cacaacaaag	300
gcctagtttg	ttccatgagt	gtgcatttca	tttcttcagt	taaagccttc	agagacacac	360
aataaatttg	gaccagggga	ttttttagtt	attaatgctc	tctgaagaaa	ggcaacatct	420
ttttgagag						429

<210> 2360

<211> 424

<212> DNA

<213> Homo sapien

<400> 2360

gttcggcacg	agcctacaca	tccccggagg	ccgccacaag	ctgaacccca	gccagaacgt	60
ggcggtcagg	gaggctctgg	agaagccttt	cacggtcatt	cagggccac	caggtacagg	120

```

gaagacgatac gtgggacctcc acatcgatt ctggtttcat aaatcaaacc aggagcaggt 180
gcagcccga ggcccccccc gtggggagaa ggggctggg ggccctgca tcttgactg 240
cggccccctcc aacaagtcgg tggatgtcct ggcaggactg ctctgagaa ggatggagct 300
gaagccccctc cgtgtgtaca gtgagcaggg tgaggccagc gagttcccag tgccgcgtgt 360
gggcagcagg aagctgctca ggaagagccc ccgggagggg aggccgaacc agagcctcag 420
gagg 424

```

```

<210> 2361
<211> 415
<212> DNA
<213> Homo sapien

```

```

<400> 2361
ggcacgagct ggggggaggg ctatagcaca gaggtctgt cctttgaggg tgactgaacc 60
aacaggggaa agcgaggcat ggtgaaaata gccatggatg gccaggctgg tctcgaactc 120
ctgacctcaa gtgatccacc cacttcggcc tcccaaagtg ctgggattac aggcgtgaac 180
cacctcgccc tgcaggagtt gattttaatt atgaaccatg attaaggaag gcaatgacca 240
cttatgattg ggggtataac gtgtattctt tactaatct gtgccttggc tcttgacctac 300
ttggatcaga gagcagagag aatccttcat aaagaacaag gaaaaacagg tgaagttatt 360
aaattaactg atgtaaagga cttctcctta cccctgtggc ttatatattat catct 415

```

```

<210> 2362
<211> 413
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

```

```

<400> 2362
ggcacgaggt tagaattaaa gcttatattt ctaatcaacc catttacagt atttcactta 60
gcctatacct tatttttagca tgagagcata atcttacact ttcattgctaa aataaggtat 120
aggctaaggg aaataactgta aatgggttgg ttagaattaa agtttagaac tctaaatctt 180
atgcttattt ttaaagaaaa agttgacctc actgtcatga aatcctgtta ctttcattaa 240
aaaaaaaaat cttgtaaaaat ggtaaattg gataatgtaa gacataatga aggccttgag 300
gcatttcata ctttaccagt ttacatttgg ctaacatact ggtaaggatt aggtttctct 360
ccactattgg aaaattaaat gctaaacgtc ctaagaatta cgttgatttc aan 413

```

```

<210> 2363
<211> 422
<212> DNA
<213> Homo sapien

```

```

<400> 2363
ggcacgagga gagagagaga gagagagagt tagagataga gagagagaga gagagagaga 60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
gagagagaga gagagagaga gagagagaga gtgagagtgt gagagacaga gagagattga 180
gagcgcacccc cccctctttc tctccccctc ctttggtttt ttttttttcc cctctctctc 240
tctctctctc tctctctctt ttcttttttc tctctctgta ggggtggccc ccttctctct 300

```

```

cttctctctc tctcgcgcgc gcgctccttt tttttgtgg ctttctttgt tgggcccctc 360
tctcctctcc ctctctccct ctctcacccc tctcgtgtg tgttcgctcc ctctctcccc 420
cc 422

```

```

<210> 2364
<211> 414
<212> DNA
<213> Homo sapien

```

```

<400> 2364
ggcacgagct ggacttaaac attactggaa ttttgtgtaa atggtttctt acaagatttc 60
acatctttac aattctgatg ctttttttaa aaaactaaac tttaatattt ccatttaaaa 120
ttaaagaaaa tgggaaattg cctacggagc atattgcttt tcagatcata ggtatctttt 180
ccaataactt tattgtaaat ttttaaggag tttcgttgga ccctagagcc ataccttcac 240
tgacatctca tccgtttgtg tttccaaaag ctgcttttac aggtcttagc cgccgccccg 300
gaggccggtg tgggcgtgac ctgcatgcgt ccacctgcg gctacgggag aagtcttagt 360
aacttggatc tggagtcttg aaaaacacaa accttacaaa tgcattcttc ttg 414

```

```

<210> 2365
<211> 405
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

```

```

<400> 2365
cgttgctgtc gcaggcacac aggtcccggg gcatcaggag aaaggctggg tcttgggacc 60
ttgtcctccc cagttggcct actgttacac attaaaacga tttgcccagc tcanaaaaaa 120
aaaaaaaaaa aaccttcggg ggccgttttt ttcgtaaaac caaaactgaa aaaaaccctt 180
ggggagattg gacaaccccc ccctaaaagg gggggaaaaa aaggcttttt ttggaaaatt 240
ggggaagctt ttgttttttt tgaaaccctt aaaaccgga aaaaaaaagt aaaaaacaa 300
aatggctttt tttttatttt taaggttcag gggggggggg ggggaatgtt nnnncnncnc 360
ccnccnccnn nnnntnccca acaaaaaatn cccaaaaaaa acccc 405

```

```

<210> 2366
<211> 406
<212> DNA
<213> Homo sapien

```

```

<400> 2366
ggcacgagca cagtcagtgt taaagatgtg tatgtatatt actatacata taaattgcac 60
agcggagtat acatgtcaaa tcatattaat caaaatttat ctagccttcc tttaaacaa 120
ttatcctata atatggatat taggcctctt tttctactta gctccagttt aactacgtct 180
aggetgatgg tataaaaaatc acatgaaatg cgcaatggcc tatttcttat tagaaacctt 240
aaatggacat ataccaaatt atgagaatta taaatgtagc acaaaggata ggggtgagtc 300
taaattctatt ctgtaaagat gaaagctctt attttctaaa tctattctat aaagatgaac 360
tattttttta tctataaaacc tcttttaagg gacgcagagc attcat 406

```


<210> 2367
 <211> 406
 <212> DNA
 <213> Homo sapien

```
<400> 2367
ggcacgagtg tagatctcaa tttaaagaact aaccaggat acctgaacta aagagaggtg      60
gcactgagtt tocatagaac ttcaaaacaa ttggttgatt tcacttaaaa aaaaaaagtc      120
attcaatata cagaaaatta ctccccctggc cagtactgtt agccccaat aatctgaaaa      180
aatgtgttct taaaaaaaaa aacaatttgg aggccaggca tgggggttca tgcctgtaat      240
cccagcacat tgagaggtca agttgtgggc atcacttgag cccaggagtt tgagaccagc      300
ctggacaaca tggggaaacc ctatttctac aaaaaatac aaaatttacc cgggcatggg      360
ggcgcatgcc tgaagcccca gctactcggg aggctgaggg ggaagt      406
```

<210> 2368
 <211> 407
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(407)
 <223> n = A,T,C or G

```
<400> 2368
nncccnanaa ttcttggtat tctgctgctg tgaatagggt tacttattct tttaacatat      60
attgtgtgac tacgcaagta taggtcctgt tgtattgcat taatctttac cagtaactaa      120
acatcacaag gttaaatattg gtttggtgga aagaattatg cagtaaagtt atttataagg      180
gaacatgatg actttattca atatttttct tctttgaaac atctcattac taacttttaa      240
gattatttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag      300
catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaattc      360
catgccttat tttccatttt tgacaccgca nagtgcattt tctgtcgc      407
```

<210> 2369
 <211> 407
 <212> DNA
 <213> Homo sapien

```
<400> 2369
ggcacgagat ttcttggtat tctgctgctg ggaataggct tacttattct tttaacatat      60
attgtgtgac tacgcaagta taggtcctgt tgtattgcat taatctttac cagtaactaa      120
acatcacaag gttaaatattg gcttggtgga aagaattatg cagtaaagtt atttataagg      180
gaacatgatg actttattca atatttttct tctttgaaac atctcattac taacttttaa      240
gattatttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag      300
catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaattc      360
catgccttat tttccatttt tgacaccgta aagtgcattt tctgtcgc      407
```

<210> 2370
 <211> 407
 <212> DNA
 <213> Homo sapien

```

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

<400> 2370
ggcacgagac aattccgggg taaattaatt tcttagaaat gtttcagaga ataatacttt      60
ctgcctcaaa agtatgcatt tattatgtat caaataaaat tttaaattta gagaacattg      120
aagaaatatg agatcagaga aatcaaagat tattattaaa ttacatttct ttgggtatct      180
cctgagatgt ctcagttatg cattacttgt attcattcat ttattcatca aatacaatat      240
ttatctaaaa cctgctatga ccaagactgg gtgaggaact ggagacatag ctattaaaaa      300
aaatagtatt tatatttata aatgatgaaa caaaaagaaa aaatagaagg tgaatcggta      360
ggtaaaaaga gacaatagac taccagccaa tctcaatgtg tgaaccn                      407

<210> 2371
<211> 422
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

<400> 2371
nnnnnnnctt taatcccagc actttgggag gctgttgctg atggatcgcc tgagggtggg      60
agttcgagac cagcctggcc agcatggtga aaccctgtct ctactaaaaa taaaaaaatt      120
agccaggtgt ggtggcgcac acctgtagtc ccagctactc gggaggtctga ggcaggagaa      180
ttggttgaac ccaggaggcg gaggttgtag tgagcagaga tcgtgccact gcaactccagc      240
ctgggtggac agagcaagac tccgtctcaa agaaacaaac aaaaaattaa aagggataga      300
atataatgaa atatattttg aacttaaatt atattctata tgtgtatctt cctaggcaaa      360
agctgtaatt tccagagaga ccattaggaa caggtagcat ctatttttct ccattattta      420
tt                                                                422

<210> 2372
<211> 168
<212> DNA
<213> Homo sapien

<400> 2372
taaaggactt aaacacctat gcgcgatgat aaagagggtg ctattatagc gcttggaaaa      60
taccaggaag ttgagagagt taacagaagg gcgcacgctg gattggccac aaaatcgaat      120
tactgaggcc actactgatt aggacactta tggagaacgt gggtagca                      168

<210> 2373
<211> 410
<212> DNA
<213> Homo sapien

<400> 2373

```

cgctgctgtc	gatagatatg	tatgtttgca	tataggcaca	tttagctgga	tgaagttaga	60
tttaaattggt	ccaatagaga	actgtgcata	caattacata	ggcaaccaca	aatcaaccct	120
ttctctgggc	tatctaaaat	aatcaggtac	tagaccaaaa	aatgacatgc	tgtctgcctt	180
accttttagt	gatgatttgt	aggaagagga	aggtaggggc	tggtagtgg	aaaagtagta	240
gaggttgtga	gggaatgttc	tgtatgtctg	aagacaaagt	ctggagattg	gtgggccaga	300
aggtgtgaat	ctactctgaa	ggacaggcaa	gagtcagcc	cagggaaaaa	ggtgcagatg	360
ggtaggattt	gggtgggtac	ttgaattaaa	aaaatgaatt	tgcgaggcat		410

<210> 2374

<211> 422

<212> DNA

<213> Homo sapien

<400> 2374

caagagactg	acccttgaag	ctcactggct	gcatgggagg	atatgggtgt	tgaaaaacat	60
ctggaagaaa	gggggaaaag	ggagcagaga	aggcaaccaa	caacagctat	tatagatgca	120
gattttggag	gcagaccgcc	tgggatttaa	aactttgctc	tactactttc	gagccatgtg	180
atcaagctaa	tgaaacttta	aaaaccttac	tttctttaat	aagtaaaaaa	tgaaaaataa	240
tacctgctct	tgagattgct	aagattaatg	aaagaacgta	tgagtctgtc	aaatgtcctg	300
gtccacagaa	gggactcaat	gactgtgttc	cctttgttct	tgctaggatg	tgcattaggt	360
tacagtgtag	ccacttgata	gcactctgaag	ggatcattac	cttgctatat	ccaacaaatg	420
tg						422

<210> 2375

<211> 406

<212> DNA

<213> Homo sapien

<400> 2375

ggcacgaggc	cagtcatgag	gatgggtgtc	tggagtcttg	tccaccctct	ccatacaagt	60
ctcaaaagtc	atcctcctac	tcagtgattc	acgttttagtg	gtttatatta	ttaaggtttg	120
attcaaacag	agccttttct	gtcctgtaga	taatctacat	gtttgtagaa	ttattttgaa	180
tatgtttgag	gaaaatgttt	aaaatctaaa	tatactcaca	taacttgatt	attcactcct	240
ctgaaaagat	gctggatagg	ctaccaaagt	tcccaaagtgg	tagataattc	agaagacttg	300
tttgaatttg	gatttttttt	ttttttggag	gggggaaggg	tataaggggg	gctaaaaatt	360
tgaatcctta	ttatttttat	ttacggggaga	atttacacca	tctccg		406

<210> 2376

<211> 420

<212> DNA

<213> Homo sapien

<400> 2376

acatgatctt	tatgcaggat	cccatcgaga	tcgcttttac	cacggccata	tggccagata	60
acttttcaaa	agcattagtt	aaagaattct	gattagtttg	aattagaaac	aaaactcaaa	120
gaacatgacc	taatttaaca	ggttaatttg	aagtgcattc	gccaagtaga	agaccagcaa	180
gaaaaaaaaa	atgggttcct	aggaagaggt	agtaggttgc	atagttttag	ggcagggatt	240
ttgccacaaa	ggaggaaact	atacgacctg	ctgcctttct	tagggcctta	ttattcaccg	300
ataacctgtt	tccttgctac	tttgcttttg	tgtaagcaga	gttctttctg	taggtttttt	360
caaatgaaaa	cattgcacga	atatcaaaga	gagcagtgtt	tcggttagtg	attataaact	420

<210> 2377
 <211> 420
 <212> DNA
 <213> Homo sapien

```
<400> 2377
cggcacgagc aaagaggggt ttctacatac acagaagcag ttcaacttct caagttaatt      60
ttgataagca gaatctacta ctggccagag cgacaggagt ggctaggggt tgccagccag      120
tccctttctg atgatcaagg ccctgcacag caggatgcca caggatgccg ctgccatcta      180
gctggaagca tcaaaagtcc ctctgtatga cccggtgtgg gaaagagggg tgtcaggatg      240
agaaagtggg gctgcagggg gacgataaga ccacctaacc aactccccac ctccaccacc      300
acaataagaa caaaactgta gggctctaaa gagagggggg ggtttacaag tttattgagc      360
atttactagg aagtgacatg gcgatgacct ctgtacatga gttaggttca ctttcatgtg      420
```

<210> 2378
 <211> 411
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(411)
 <223> n = A,T,C or G

```
<400> 2378
cccaggcact gtactaattt ctgaggattc ttttgtgatc tcaaacagat atataagcct      60
tgctcttatg gagcttatag tctagaaaac tggatgagag tctacatact ttccattgct      120
tttttagtttt tggaagaaaag ctctgcaggt gaggagaagg acgtacgtgt gtatgggatg      180
ttaacttttt ctgtgagttg ggtcagatga agcagttaga caaaatgagt ctcaaaaaca      240
tttttggcac cgaaagtttg atgaactata ctttttaaga attgctagct ttgtttttct      300
cttataatct aaagggaaat atgtccactt gaactgaaac aactaagcac aatatataga      360
acttttactt cccactcttt tgtacttagg tcagngatgt tgcaatatct n              411
```

<210> 2379
 <211> 409
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n = A,T,C or G

```
<400> 2379
cgttgctgtc gcacagagcc aagactcaat tcaggaccgt ggattcccct ggtctagaaa      60
ttttctgctg tgccagccca caccacccca ctgtccttac ctcgagtga tattacattt      120
gagtcatttg ctgggcccga acctagtttc cttggtataa ttttaggata attgtttaag      180
tggcaactat tcattcagta agtagtaagt acttattgtt tgcttgtttc attatgaaag      240
agtggcacat gctcattaaa gatttggaag aatgaaagtc aaaacaaca aatcaccocg      300
agtcccaacc ttctgtaaca taaccactct tggcattggc gtgttccttt ctagtctctc      360
tgtaaacggn gtgtgtgagt gtgtgggttt aactntgggt ggcctcatg              409
```

<210> 2380
 <211> 411
 <212> DNA
 <213> Homo sapien

<400> 2380
 ggcacgaggt ttattccctc ctgcatcatt tccataatth gcttttgtac tgtcaattta 60
 gaggaaatgt gtgatgctgg tgttttgttt ggctgtttg tttgatgctg ggggttttat 120
 gtgttgtagc ctttaccctt tacattgtgt aatttgaaag tggcaaaca acctgcagta 180
 aaagtccttg attggcatct tcattcggat gatggagagc ctttgtggta gtgtttgctt 240
 atgtgaacag caggcctttc agataagaga agtggccttt ccttgggtgat gaaggggtag 300
 agattgagcc atggggatgg ttttaggttaa agaatgcttt tttttggcca tcatgaggat 360
 ctaacaacag agtagaagga aggatgccct aggtcagcat gcaggggtgg g 411

<210> 2381
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 2381
 ttcaaattca gttcagtttc tgggtcatcaa aaaatcaatc tgttttaaga tctagtctta 60
 cccatgaaaa ctttaataat ggtagatatc taaaacatga gtttaattacc cccaaaatgt 120
 ttcagttttt tcattgttat attgccaaaa accattctgg ctatatatat ttttaaaaga 180
 agccatttgc atgtccttta gtggtagaat agaaatttgg ttaaaattgg atgacattta 240
 ctttaattat cttcaaagta tgatgaattt ttcattgtgt gaattgtgtg tctgataatt 300
 ttttaggaaa caacactcca ctagagagcg tagaatctta gaattcatct acttcattct 360
 cctcctggta ctctactttc ttctacaacg tcccagccga gctgaggtct gagctgt 417

<210> 2382
 <211> 410
 <212> DNA
 <213> Homo sapien

<400> 2382
 tacggctgcg agaagacgac agagggatga tctagcctct gctccagaag gatctgtctg 60
 gctgccatgt gggggacatg gaggggagca aagacaggag cccagtgaga gtcgagggag 120
 aggtgacctc agcttgggct gcggtgcagg ccatgggact ggcaggaggc ggctgggggt 180
 acgctgtctt ttctaacatt cagcattggc tcagggggcca ggtcagggct cacagactgt 240
 tgctataaag ggctgggtgg ctttcttccc cacagctact cagcctaag ccattgcaga 300
 gcacatgtag ccatggacaa cacaaggggc gtatccgtgt tccaggacag ccatattgac 360
 aggaataggc acgaggccag atttggtcct caggctgtaa tttcttgccc 410

<210> 2383
 <211> 414
 <212> DNA
 <213> Homo sapien

<400> 2383
 cgttgctgtc gtccaatcca ttatctagtt ttctgttctt atcttacttg tctgcccctg 60
 gcactgttct tcacagttgt actcgctcct ttttgcttcc aaattacatt ttctcatct 120

```

ggtactgagc tccctgttaa ctttctttac tcttggtttt agcatttcca tttccttgaa 180
tgtgccagag ctctgtcctc tgggtctttg tacaggttgt tccttggggc tacaatactc 240
atttccaaac ttttcaacta actaagaatt gcaggcctca gcattaatgc tacctgaagc 300
tttctctaata cctcatttaa attagttctg ttacaaactt tcaagttgcc atattctttc 360
ataacattaa cacaaatfff gtaaacaatgt atttggtggt ttggctaatt tctg 414

```

<210> 2384

<211> 416

<212> DNA

<213> Homo sapien

<400> 2384

```

cgttgctgtc gtttctcctc tgggctatgt ggcctcttaa ggagttcaca cactttaacc 60
cccttaggaa ccctacatga tcatcctcgt ttcttaaaga ggaagcagag ccagcaaaca 120
agtgggggag ccacagttcc agcccagggt tcaactgggc ctgcctgccc cagccagctc 180
ctcaggagca cacggcaccc cactgctgtg caggggacag ctgtcctcac aggaacagcc 240
ccgggacctt caggacttcc tgggggtttac cctcagagca cccatgagggt tagaatcaca 300
aagcccggga gtcaggagac acagggcagc tggagggagg tctttactga ggctactgag 360
gcacagcagc cccgtctaga ggccctcccc agaggcactt cctgaggagt ctggtg 416

```

<210> 2385

<211> 405

<212> DNA

<213> Homo sapien

<400> 2385

```

ggcacgagat attcctttgt gagaaaagtt ttgatcttta gcctagaatg atgcgtaaaa 60
gaaataaaga taattctact gcttggttct acccggttac aaagcatgag ttggaagaca 120
ataagtgcct tgtccacatt ttgcgagaga caacagtaaa ataactccaaa atactgttctt 180
ttcatgggtc gtgtcagctt gatttatgtc gacatgaagt tccgtatggc tgtttaaggg 240
aagatgagtg cttttatgcc catagtcttg tggaaactgaa agtctggata atgcaaaatg 300
aaacaggtat ctcacatgat gctattgctc aagagtctaa acgatattgg cagaatttgg 360
aagcaaatgt acctggagcg caggtacttg gtaatcaaat aatgg 405

```

<210> 2386

<211> 416

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(416)

<223> n = A,T,C or G

<400> 2386

```

ggcacgagga gattttcaac acttatgggc aaatggctaa ctggcaactg attcatatgt 60
acggttttgt tgaaccatat cctgacaaca cagatgacac agctgacatt cagatggtga 120
cagttcgtga ggcagcatta caggaacaa aaactgaagc tgaaaggcac ctagtgtacg 180
agcgtggga tttcctatgc aaactggaga tggtagggga agaggagcc tttgtgatag 240
ggagggagga ggtgctgact gaagaggagc tgaccaccac actaaaggta ctgtgcatgc 300
ctgctgagga gttcagagag cttaaagacc aggatggagg gggagatgat aaaagggaag 360

```

agggcagcct gacgatcaca aatattccca agctcanagc atcgtggaga cagctg 416

<210> 2387

<211> 411

<212> DNA

<213> Homo sapien

<400> 2387

ggcacgagca	tgcttcgaaa	cggagctccc	ctcaccagac	tcccagagtga	caagctgaaa	60
gcagtcattcc	ccccattcct	accccttccc	agttttgagc	tgccgagctc	tgatcgggtcc	120
cggacgcgtc	acaacgggaa	ggcagacccc	atgaagactg	cgctgcccc	gagagccagc	180
agggggccacc	ccgtggggcgg	cggggggcaca	gacactcaga	aattggagac	cagcagaagg	240
cctccatctg	gaacttccac	tacctccaag	agcacctctc	caaccctcac	gcccctcccc	300
tcacccaaag	ggcacactgc	agagtcctca	gtgtcttccc	cgatcatcca	tcggcaggtcc	360
aagagcagtg	tgggctccag	cagtggcacc	atcacagatg	aggatgaact	g	411

<210> 2388

<211> 411

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(411)

<223> n = A,T,C or G

<400> 2388

ggcacgaggt	ttccttctcc	tccctcccgg	gacaagggtg	catatacaat	gtcattgttt	60
gggacccggt	tctaaatata	tctgctgcct	acattcctgc	tcacacatac	gcttgcagct	120
ttgaggcagg	agagggtagt	tgtgcttccc	taggaagagt	gtcttccaaa	gtgttcttca	180
ctctttttgc	cctgcttggt	ttcttcattt	gtttcttttg	acacagattc	tggaaaacag	240
aattattctt	cataggcttt	atcatcatgg	gattcttctt	ttatatactg	attacaagac	300
tgacacctat	caagtatgat	gtgaatctga	ttctgacagc	tgtcactgga	agcgtcgggt	360
gaatgttctt	ggtagctgtg	tgggtggcgt	ttggaatcct	ctcgatctgc	n	411

<210> 2389

<211> 417

<212> DNA

<213> Homo sapien

<400> 2389

ggcacgagcc	ttgggccaga	ccctttcccc	tgggggtgctg	atttcacacc	tgtaaaatga	60
agaagtttga	cttgacacagt	gcttttctta	gactgtggta	aggggtggat	gtgggggtag	120
tgccaagacc	aagtgaaga	ggcttctgga	cctccatcct	tgcttcagcc	agagcagcgt	180
gggttcattt	cattttttgga	ttttggtttg	tgggaagaaa	gggttctctt	gccggtgtgt	240
gtgtttctga	taaacaaaga	agtgtggaag	tggctgaatg	agatgaccca	aggactcttt	300
ctgggaagat	gcaggaggaa	gtaggtgagc	tgaggggaag	ctgggtgggga	taggcctggt	360
ggggcctggg	gagaaggatt	tgaaggctca	agtcacacgg	tgacaggatg	gactcaa	417

<210> 2390

<211> 413

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

```
<400> 2390
cgttgctgtc gggcgagtct ttaaaggagt ggctcatctt tcctctccct ggggcatttt      60
ggtgtgggag actacagggg atgagggttaa aaagcttggg cggcaggtag aggatgggga      120
gagagggttag gggccctggga aaggtgggag atcagccaga gacaggtttc ccagaacaga      180
atgtctggcc tttgtggtga ggagggactg tggatgagc cgcanaagcg ggccaggggt      240
aaaccctcct gtgcgtcctt ccttcagcct ggctctgagg gtgacccttt gatcctgggt      300
tctccaggta gggctgtgag ctgtgagttg gatccttttg gtgaaatggg ctctctcatc      360
tggcctgtca ctcaatgtgg aatagagtga gtgagttcta tgggttctaa gtc              413
```

<210> 2391
<211> 407
<212> DNA
<213> Homo sapien

```
<400> 2391
ggcacgagcc caggctcacc ctacggaaaag aggggggttct gttggcccca catgacctca      60
tccttgatgt gctgcagagc aatgacgagg tgttggtgga ggtgacttcg tgggacctgc      120
ccccgttgac tgaccgctac cgcagggcct gccagagcct ggggcaaggg gagcaccac      180
aggtgctgca ggccgtggag ctccagggct tgggcctctc gttcagcgcc tgctccctgg      240
ccctggacca ggccagctt acaccctgc tgcgggccct caagctgcac acagcactcc      300
gggagctgcg cctggcaggg aaccggctgg gggacaagtg tgtggctgag ctgggggctg      360
ccctgggcac catgcccagc ctggccctcc ttgacctctc ctccaat              407
```

<210> 2392
<211> 405
<212> DNA
<213> Homo sapien

```
<400> 2392
ggcacgaggt tcgaagtaag cagagcaaaa ccgaacgaga agcagagctc aagaaactgc      60
aagaagccag agagagaaaag cggttggaag ccaagcaacg ggaagacatc tgggaaggca      120
gagaccagtc tacagtttga acatcactca atgaaaggga taattccatg aatcagaaaa      180
tgtttccata gccttcagat aagatgatcc ttccagagct ctatgtacat gcagatgtgc      240
atgttaaaga gataaagtga tcgagacaag gactgactgg gtatagaagg aagacagact      300
cctgtcttca ctctaaatg cagttctttg gaatcaccct actgtggtgg gcgtagtagg      360
gagccatcag ctaggaagaa acgtgggaga tgtgaattcc aagag              405
```

<210> 2393
<211> 411
<212> DNA
<213> Homo sapien

<400> 2393


```

ggcacgaggg ttgctgcgcc gtcctccact actggctact ggcgctgcag ccatgcagcc      60
ccccccccc ggcccgcctgg gcgactgcct gcgggactgg gaggatctac agcaggactt      120
ccagaacatc caggagaccc atcggctcta ccgcctgaag ctggaggagc tgaccaaact      180
tcagaacaat tgcaccagct ccatcacgcg gcagaagaag cggctccagg agctggccct      240
cgccctgaag aaatgcaaac cctccctccc agcagaggcc gagggggccg cacaggagct      300
ggagaaccag atgaaagagc gccaaaggcct cttctttgac atggaggcct atttgcctaa      360
gaagaatgga ttgtacctga gcctggttct ggggaacgtc aacgtcacgc t              411

```

<210> 2394

<211> 411

<212> DNA

<213> Homo sapien

<400> 2394

```

gctgggctgg agacggcggg agccgctgct ctccggctga gggaatcaga gacagctccg      60
tccttagtgg agcgcagggg aggcagaagt catgacaggc gaggtgggtt ctgaggttca      120
cctagaaatc aatgacccaa acgtcatttc acaagaggaa gcagatagtc cttcagatag      180
tggacagggc agctatgaaa caattggacc cttgagttaa ggagattcag atgaagagat      240
atttgtaagt aagaagttga aaaacaggaa ggttctacaa gacagtgatt ccgaaacaga      300
ggacacaaat gtctctccag agaaaactac ctatgacagt gccgaggagg aaaataaaga      360
gaatttatat gctgggaaaa atacaaaaat caaaaggatt taaaaaactg t              411

```

<210> 2395

<211> 406

<212> DNA

<213> Homo sapien

<400> 2395

```

gctgggctgg agacggcggg agccgctgct ctccggctga gggaatcaga gacagctccg      60
tccttagtgg agcgcagggg aggcagaagt catgacaggc gaggtgggtt ctgaggttca      120
cctagaaatc aatgacccaa acgtcatttc acaagaggaa gcagatagtc cttcagatag      180
tggacagggc agctatgaaa caattggacc cttgagttaa ggagattcag atgaagagat      240
atttgtaagt aagaagttga aaaacaggaa ggttctacaa gacagtgatt ccgaaacaga      300
ggacacaaat gtctctccag agaaaactac ctatgacagt gccgaggagg aaaataaaga      360
gaatttatat gctgggaaaa atacaaaaat caaaaggatt taaaaa          406

```

<210> 2396

<211> 415

<212> DNA

<213> Homo sapien

<400> 2396

```

cacactccac gctgagaaa agtaattagg aggcctgatg aggggccgag gaaaggctgt      60
tggggtgtgc tggggttggg accctagcgc cttccctca cctcaaccag agaagagcat      120
ccgggtgctt tttaaagctt ttagcctgcc ctagcaagga caaagcatgt tagattaaag      180
atgcttctgc tgatcgcaag ggttcttatt tgaaaacatc tataatgggg gaggtgtggg      240
aggattcttt caaggacctg cacagcctcc tgatggagat ccaggctctg cgcttgcaac      300
tagaaaggag catcgaaacc agcagcactc tgcatagcag gctcaaggaa caactggcaa      360
ggggtgcaga gaaggcacag gaaggagccc tcactctggc tgtccaagcc gagcgc          415

```

<210> 2397

<211> 407
 <212> DNA
 <213> Homo sapien

<400> 2397
 ggcacgagcc gggcccgccc ctggagatgg tccccggcgc cgcgggctgg tgttgtctcg 60
 tgctctgget ccccgcgctgc gtcgcggccc acggcttccg tatccatgat tatttgtact 120
 ttcaagtget gagtcctggg gacattcgat acatcttcac agccacacct gccaaaggact 180
 ttggtggtat ctttcacaca aggtatgagc agattcacct tgtccccgct gaacctccag 240
 aggcctgcgg ggaactcagc aacggtttct tcatccagga ccagattgct ctggtggaga 300
 gggggggctg ctcttctctc tccaagactc ggggtggcca ggagcacggc gggcgggcgg 360
 tgatcatctc tgacaacgca gttgacaatg acagcttcta cgtggag 407

<210> 2398
 <211> 409
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n = A,T,C or G

<400> 2398
 cgttgctgtc ggtcttgtgg ctgcggcctg cccctcagcc tcctccgcgc ggttaccctt 60
 gtaccgccc ccatccgtcc tggcgctccg gatgagtaaa tgaggggcag ggcccagga 120
 gtggtcttcc caagaacccc tgggtggcctc ccaaggccgg tgcctgtgtac ctcttccccg 180
 acaaaaaggg aaactgaggc cccgagggga gtgggaagag ccggctggac gtcaggccca 240
 gccgctggtg cagtggctcc tcccctctgc cgggggtggc ccctcgggtt tcgcgtgtcc 300
 tcgggaaaga gactggcggc accctgatct gcaactccct aggggctccc actgtccgcg 360
 gtgtgaggat gtccttggtat agtccactgt gtgcagaggc atgggagtn 409

<210> 2399
 <211> 410
 <212> DNA
 <213> Homo sapien

<400> 2399
 ggcacgaggc agacatgatg aagtacattg agacagagct aaagaagagg aaagggatcg 60
 tggaacatga ggaacagaaa gttaagccaa agaatgcaga ggactgtctt tatgaacttc 120
 cagaaaacat ccgtgtttcc tcagcaaaga agaccgagga gatgctttcc aaccagatgc 180
 tgagtggcat tcctgaggtg gacctgggca tcgatgctaa aataaaaaat atcatttcca 240
 cggaggatgc caaggcccgt ctgctggcag agcagcagaa caagaagaaa gacagcgaga 300
 cctccttcgt gcctaccaac atggctgtga attatgtgca gcacaacaga ttttatcatg 360
 aggagctcaa cgcgcccata cggagaaaca aagaagatgc ccaggcccgg 410

<210> 2400
 <211> 412
 <212> DNA
 <213> Homo sapien

ggaattgtta	caaaaccaat	caaaggagct	caaaaaggag	gagcagctgg	tttctttaaa	180
ggtgtttgga	aaggtttagt	aggagcggta	gcaaggccaa	ctggaggcat	catagacatg	240
gctagcagta	cattttcaggg	gataaaaaaga	gctacagaga	cttctgaagt	ggagagtctg	300
cgacctctc	ggttcttcaa	tgaagatgga	gttatcagac	cgtacagggt	gagggatggg	360
actggaaatc	aaatgttaca	ggtcatggaa	aatggaagat	ttgcaaag		408

<210> 2404

<211> 411

<212> DNA

<213> Homo sapien

<400> 2404

ggcacgagca	tggctttccc	tgagccaaag	ccgcggcctc	cagagctgcc	gcagaaacgg	60
ttgaagacgc	tggactgcgg	gcagggggca	gtgcgagccg	tacgatttaa	tgtggatggc	120
aattactgcc	tgacgtgcgg	cagtgacaag	acgctgaagc	tgtggaaccc	gcttcggggg	180
acgctgctgc	ggacgtacag	cggccacggc	tacgaggtgc	tggatgcggc	cggctccttt	240
gacaacagta	gtctctgctc	cggcggcggg	gacaaggcgg	tggttctgtg	ggatgtggca	300
tcagggcagg	tcgtgcgcaa	attccggggc	cacgcaggga	aggtgaacac	ggtgcagttt	360
aatgaagagg	ccacagttat	cctgtccggc	tctattgatt	ccagtatccg	c	411

<210> 2405

<211> 397

<212> DNA

<213> Homo sapien

<400> 2405

ggcacgagga	gagagagaga	gagagagaga	gagatatgag	agagagagag	agagagagag	60
agagagagag	agagagagag	agagagagag	agagagagag	agagagagag	agagagagag	120
agagagcgcg	cgcgcgcgct	ctctagagtg	tgttttctct	ctcccgetca	tttacgcccc	180
cccccgcggc	gcaccccccc	ccgggggggg	gggccctctc	tcttctctgg	ggggagtttc	240
tgcgcacaca	cacgcgagag	tctctgtttt	ttttttgcac	gcgctctcgc	ccctctgtct	300
ctctctcttt	tctctctctc	tcgcgcgcgt	gggagactct	ctttgcgcgc	cccttttctc	360
atgtgtctat	gtgtttgctc	gctatattat	agagctc			397

<210> 2406

<211> 402

<212> DNA

<213> Homo sapien

<400> 2406

ggcacgagca	ggagttcaag	accagcctgg	ccaacgtggc	aaaaccctgt	ctctactaaa	60
ggtacaaaaa	ttagctgggt	gtgggtggtc	acacctgtaa	tcccagccac	ttgggagact	120
gaggcaggag	aatcacgtga	acatgggagg	cggaggttgc	ggtgagctga	gatcacgcc	180
ttgtacgcc	gcttgggcaa	cagagcaaga	ctccagctca	aaaaaaaaaa	gagggggaaa	240
tttttgtgaa	ggggtttttt	ttttttcgaa	aaaaatgttt	gggggacctt	ccgagagctc	300
acaaattttg	atgaacgtta	aaaagcctag	tttgaggcgg	ggcggggggg	ttatgcgcac	360
gtccccaccc	tttttggagg	ccaagggggg	gggaaccacc	ca		402

<210> 2407

<211> 390

<212> DNA

<213> Homo sapien

<400> 2407

ggcaccgagtc	ccagctacag	gaggctgagg	caggagaatt	gcttgaaccc	aggaggtgga	60
ggttgacgtg	agttgggac	tcgccactgc	actctagcct	gagtgacaga	gcgagactct	120
gtctcaaaaa	aaaataaatg	aataaaaaat	aaaacagcaa	ctcttgacaga	tttcccgaat	180
gtattggtcc	cagagaacac	tgaaaataat	gtcatgttgt	taacaccagt	gggagtttgg	240
gaaataattc	cagctcttta	atacttcttt	cagcttcaga	ttaagtgaaa	tgagtttcac	300
atatttcaat	atatgaaatt	ttatgatgac	acataaaaca	ggccaggggt	tattgaggac	360
acatctgtga	gatagtgggc	aatgctactg				390

<210> 2408

<211> 392

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (392)

<223> n = A,T,C or G

<400> 2408

ggcaccagaaa	ggtacattcc	agggttcttg	ggaaagaatt	ttaaaatgcc	atcctctaata	60
acagacgttt	ataaaaactta	aatgaaatga	ttgggcttaa	ccatatgcaa	gaaagtctgc	120
agaaaataaa	tcacctagaa	actataaata	gaaatgtgct	gctgaggctg	ggcaccggtg	180
ctcacacctg	taatcccagc	acttgggggg	ctaagggagg	cgtatcacct	gaggtcagga	240
gtttgagaca	agcctggtca	acatggtgaa	acgccgtctc	tactaaccaat	acaaaaaaaa	300
ttaccaggt	acattggcac	atgcctttta	tcccagctaa	tcaggaggct	gaggcacgag	360
aattgctcga	accaggcg	cagagcttgc	an			392

<210> 2409

<211> 385

<212> DNA

<213> Homo sapien

<400> 2409

ccacattcat	ccccagcctc	gctgtacagc	tataaagtgg	ggagtggcca	atcaataaat	60
cagaggcacc	tgaaaaatga	actggggaac	cacactgact	ttccccccct	tcttgattaa	120
aacaaacaac	attgcgaaaa	gtcaacctgt	cactctttag	gaaagtgtgc	ggcatggaaa	180
ggcaattacc	caaatagactt	tttaaaagta	tgaaaatttg	cctggctgaa	cgttttttac	240
ttaatgccgt	gagttaacat	taataactat	tcctagctta	gtgagctggg	cttgaggggg	300
gattaggaaa	catttggtat	ctctggcagg	gacagatgtt	gacctggacg	gtcggcggct	360
tttacaaacc	taaggactat	agggg				385

<210> 2410

<211> 404

<212> DNA

<213> Homo sapien

<400> 2410

ggcaccagaaa	taagagcagt	atccttagct	ctagccaagc	atttttctaa	ttcctgcctt	60
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tggtcacaaa	gaaggaatag	cagagctgtg	aatgagttag	tggaggtcag	tcacatcaca	120
gttcatgacc	tagcgattgc	tggtgaagta	atattggaat	tttggtagca	tgagaagact	180
tataaaggat	ttcatcagaa	gttttcattt	tttctaaatc	ctccctact	caattttcac	240
attggaaatt	actcttgat	ttgtagaaga	ttgtctctaa	aattgtggtt	taactcacgc	300
aggaagtaag	attcctatag	caagacatag	tttcatttta	gaggacccc	aaaatcccgt	360
gaattctctg	gtgatgattc	tagcctaacc	ttcaacataa	aata		404

<210> 2411

<211> 403

<212> DNA

<213> Homo sapien

<400> 2411

ggcacgaggt	gtgatttttc	agaattccca	gagtttactc	attcttggtt	ttaaactcta	60
gccagttgac	atcttcgcaa	tttcaaggac	tgatagtgtc	gtattttctc	acgttttcta	120
agtttccgtt	ttgcaaggcc	taggtgactt	tttcatgggt	tttgtatgtt	tagctctttt	180
gaaaaggaat	tttgaaatct	ccatcaactg	aagtaaatga	tgtctgagtg	ttacagtaaa	240
ggtgaccaag	tctcttttct	aaagtcacaa	tgactaaagt	attagttgaa	tttttttttt	300
ttttttgagg	gagcctcgct	ttgtccccag	gctggagggc	agaaccacaa	tcacgggtca	360
ctgcaatctt	tgcctcccgg	tttcaaggga	ttctgctgtc	taa		403

<210> 2412

<211> 386

<212> DNA

<213> Homo sapien

<400> 2412

ggcacgaggg	gcatttgtga	gaaagatgtc	cctttcataa	tatatgcagt	atattccaga	60
tgttttgaga	gattacagaa	taggaggcct	gctccacttg	cagataagtt	tattataatt	120
ctccagaaat	gtgcaggatg	tgcatagca	aattgcactg	tacttttcac	tccagcctgg	180
gggacagagc	aagactcccc	tctcgggggc	ttaaaaaaaa	aaaaatgctg	tttctaaagg	240
aatctgagta	tcttggggcc	aaatgtgggt	ttgctccaat	ttatttaaaa	agggcttggt	300
tcaaacgaat	aggggcccct	taggcaaacg	ccttatattt	tttaaaacga	attttctgga	360
gtgggttttc	atttttaata	agaact				386

<210> 2413

<211> 404

<212> DNA

<213> Homo sapien

<400> 2413

cgctgctgtc	ggactttgca	agatttttta	aaaataaaaag	gaggtatacc	acctccttgc	60
ttggatatct	ttacaaaatg	ttatacttta	tggatataaa	ggtgataaag	attggaaata	120
aatcttctaa	atatgtaaaa	tgaagcaac	agcaacagca	aacacaatta	tcgtattctt	180
tgggagtaac	aaatactggg	tttcatttta	aaactaagga	aaattttatc	agtacttaaa	240
ttcaatccaa	aaaagggttt	ataacaccca	aactgtacat	ttaaaattat	gctttcttaa	300
ggtaatggct	agcattacct	agtttgtagt	tttcttgagc	tgtaactttt	tataactgaa	360
tcatttcagt	gatttagggc	tgtctcgtag	ttggggaaga	gaaa		404

<210> 2414

<211> 388

<212> DNA

<213> Homo sapien

<400> 2414

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cgttgctgtc gaacatggga agcactgcag tttagtagtc ctggtcctta agcccttcca    60
gcccaggagc cagacctgtg agcaaacaag cttttagtag ttccaggctc tggctggaac    120
cttgagtctt ctacagcttg ggcatgcacc tcagggggag ccagcatcag tgtccagccc    180
caagagcttc cctgtacgtc tcagtgcagc ttcacatgcc tccaactgcc tggacaacca    240
cacgtgatac ctgtcctgcc aaacgtgtcc tgaaccata aaatccagag aaaagaaaat    300
cgttttaaac tgctgaggtt tggggtaagt tactatgaag cagtagtgag aagaacagaa    360
gggccatgat ggggagaaaag tttggccc                                388
```

<210> 2415

<211> 389

<212> DNA

<213> Homo sapien

<400> 2415

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cgttgctgtc gctaaacgca gataacgtaa gagtaacaag aaactaaatc aaggagcatt    60
atatagccta cactgcagag actcaatata ataaagggtg cgattcttcc taattatcag    120
atttactgca attccagcca aaatgtttca ggggattttt ttgttcgttg ttattgcttt    180
tggtttgccc tttagcttca caggtttggc ctgaaattta tgaggaataa attcttacga    240
gcagcacgaa aaatttcgaa tctatttgta gaaactgcat atgatgatgg ttcatactca    300
gagagagaaa gattggattt ggtggtatta ctagaagttc agggactcac taatagtcag    360
gcgagtgcac aattaaatca cattgaaat                                389
```

<210> 2416

<211> 398

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(398)

<223> n = A,T,C or G

<400> 2416

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tgaaggaagt gtcatcatta aagtggtagt gcaatataac aaagtgttta caaacaaaac    120
accatccaac atacccccaa atgctccttt ttggttggtta tacagtttga aaaaagccta    180
cagttagcta tcaattcctt acagcaatga agtactaagc taaacaatgc attcagaaat    240
ttcttaggcc aaatcctgac agtataccaa ctacgagttg gtaaactact tttttaatcc    300
tgctgaagaa gagaaacgag aacaccaagt aaaacttact ataaactaca aatatttcaa    360
tatttacact caatatgagt tcgacacagt agtataan                                398
```

<210> 2417

<211> 388

<212> DNA

<213> Homo sapien

<400> 2417

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ggcacgaggg gcacttggcc atctcttatt tctctacaat aaggaatact tcatccttat    60
ttgtaattcc taaaactaga cttaaatttta tgtacatatg tattcattca tttctttatt    120
ttagtttggt gatttaagaa tattcccaca agttaaacaa tgaaagtgat agttatatta    180
cagatatgaa tgactaatta ttcctgcccc ccacctacat ctttttcccc ccagcttaat    240
ggaggtttta ttgacaaaca aaaattatat atacttgcac ccagtcataa aaaagaatga    300
gatcatgtcc cttgcagggc catggatgga gctggaggcc attatcctta gcagactaac    360
acaggaacag aaaaccaaact actgcatg                                     388

```

<210> 2418

<211> 387

<212> DNA

<213> Homo sapien

<400> 2418

```

cgttgctgtc ggggtgaact ttttatacta tactttttaca gatagaaatg aaagtactta    60
gtaataattg aacatatgta cagtaaaaaat attatagctg ttgtttttaa ataattgtat    120
taaattgaaa cttaagttag tcttcagget ttttaagggt ttcaaatttg aactggaatg    180
Caattcagaa tgtgctagaa taacatttct ccatttctcc agtgtcaaga tgggaaggca    240
tacattctaa gcgtctgtat ctccatctat ttttcttttt tttttttttt tttgaaaaaa    300
aaattttgtt tttgcaccca ggctgggggg gcgggggttta attctggctt cttgaaaaat    360
ccggcctcca gggttaaacc ttttctt                                     387

```

<210> 2419

<211> 385

<212> DNA

<213> Homo sapien

<400> 2419

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tcaattcggc acgaggtccc ttgttgccat tctgaatctg aatgctcttg tggctggaca    60
actggactca gctaataagg catttctgat gcttttgtgt tcttatgcaa ggatggacct    120
tttccagcat tgtaaatgac agcaggaaat actcaatggg ccacaggaaa taattaacat    180
catctgggat agactgactc acaagttaaa agtaaggact ttaaaatctg acctgggaat    240
taaactctagt tctaacatat gttgattctg tggattagac gagtttctta gtccctctga    300
gtcccacttc tctcactgag ttgttgtaa ggtgaaatga gaacatggtt gctattagct    360
aagcatagtc tttggctagt agaga                                     385

```

<210> 2420

<211> 389

<212> DNA

<213> Homo sapien

<400> 2420

```

ggcacgagct tgaacttctg accccaaatg atctgcctgc cttggcctcc caaagtgttg    60
ggattacagg cgtgagccac tgcgccagc cttgaggtag catactttct gaaataaaaa    120
agtagattat gtccgaagca gttgacctaa aaactgcctt ggactgacat ttgttaggtg    180
gtctaagatg ttctcttcac gctttgcaaa aaaatgagct tttttggagt ttaaattaag    240
catccctctg gtgtgttttg ttttttagcc accaaaaatt taacaaattt gataacctgt    300
cacgtgtaag ttcagaaagc actttggtct taattggtga cttggggggt atttggtata    360
aatataggat ctttttctaa aaattattg                                     389

```

<210> 2421

<211> 161
 <212> DNA
 <213> Homo sapien

<400> 2421
 gaatgttccg gtcggtcttc agcataagct gaaatatatg catgtaaaaa ctttgacatc 60
 ttttttttta attttccact ttcttcttaa ctttacttct ctttttgtcc cccccccat 120
 cttaccaagt tgaggccaag ggagaatggg aggcacacaa c 161

<210> 2422
 <211> 397
 <212> DNA
 <213> Homo sapien

<400> 2422
 ggcacgagat agggggccctc tgagaagatg gaatggtgaa ggctgcgagt agtttgtgga 60
 tatatcagtc atatcttggc ataatccaac agcgtactaa tggatcaagg gactattttc 120
 aaggctgagc aggtttaagg aaaacatcta ggtgaaacat ctaagggcta gctagcaata 180
 ggagagccat tatcactctt tttttttttt tggcagggga atttcccggg accttttatt 240
 ggctttttgg gcaaacggaa cgggaccggg aaaaacccca ttggactttc caaaaatggg 300
 caaagaattt ccctaaaaaa aatcttcttt ccaaggtttt tttaatgggg ggccccttaa 360
 aattataccc tttttttaat taaaaagcgt tcacttt 397

<210> 2423
 <211> 404
 <212> DNA
 <213> Homo sapien

<400> 2423
 cgctgctgtc gcttttaata tggaatccac ctcataacaa ttaagtctaa atttctggaa 60
 gatggagcca tgcttggttt tccaaaagct ctttgagtga ttctaatttg tagtcagagt 120
 tgaagaccac tgctctaaat tagtgcagga aaatgctttt atttctccca tggttaacttt 180
 taaaactagt aatgtaccca gttaagtttt gatggtttta attccactaa agaacatatt 240
 cttctaataa ctagcattta ttacatgaaa tttaagagtt taagttccat caaactagcc 300
 cttgtgtaag attattattt cttctctata acttcaaaat agatatttca ttcaaactgt 360
 tcaggtgaga aaacataatg gatttttttt tttttcctct ggag 404

<210> 2424
 <211> 399
 <212> DNA
 <213> Homo sapien

<400> 2424
 ggcacggagg agagagagag agagagagag tgagagagag agagagagag agagagagag 60
 agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
 agagagagag agatagagag agagagagag agagagagag agagagacac acctctctct 180
 ctctccccct ctctgtgtct atatcgcgcg cgcaccccc tgtgtgtgtg tgtgtcttcc 240
 ccctgcgaca ctctctgtgt gctctctctc tcacacactt ccccccccc cactcttttt 300
 ttttttttta tacgtgttct ctttctcaat aatatatcct ttgtctgtgt gtctctctct 360
 ctccagacag cgctctctct cttttttaca caccctccg 399

tatgattagc	ttaaatactc	accattctga	tttgtaatgc	cgccccacc	cccttttttt	240
gacacctggg	agtttccttt	tctttcttgt	aagatcagca	ttacacaaac	aagcacattt	300
ttcttattat	actttatcta	gaaaaccag	gtgtcagtgg	cagaagcatt	cctgaattta	360
tgtagatcat	tgttttgctg	gaactgc				387

<210> 2429

<211> 388

<212> DNA

<213> Homo sapien

<400> 2429

ggcacgagga	aagggctctc	tgttcctcac	actcagcttc	agcataagct	gtgaggccag	60
aaaaaaggtc	agctcttcta	gtatcgtgca	gtgcttaaaa	accgggagct	ccagccgggc	120
gcagtgggtc	atgccagtaa	tcccagcaat	ttcggaggcc	gaggtgggag	gattgcttga	180
ggccaggagt	tcaagaccag	cctgggcaac	acagcgagat	cctgtctttg	taaaaaaact	240
aaccatcctg	accgcccagt	gctcttgggc	tcttgagtgt	accaggtcc	tcccaagtgc	300
ggtgtgcacc	gagcgcgcc	ggcctgatgc	cctggcctgt	gagctgggga	ctcctgggcc	360
ctgtgagccc	ctatgcggca	ggcccagg				388

<210> 2430

<211> 390

<212> DNA

<213> Homo sapien

<400> 2430

ggcacgagag	atattttatc	tcctttatct	gggacgcttg	tttcttcagc	tcagtttaac	60
tactgctttg	acgtggactg	gctcgtaaaa	cagtatccac	cagagttcag	gaagaagcca	120
atcctgcttg	tgcattggtg	taagcgagag	gctaaggctc	acctccatgc	ccaggccaag	180
ccttacgaga	acatctctct	ctgccaggaa	aatgatgctg	ctgctctatg	aagaaggcct	240
ccgggttgct	atacacacct	ccaacctcat	ccatgctgac	tggcaccaga	aaactcaagg	300
aatatggttg	agccccttat	accacgaat	tgtgatgga	accacaaaat	ctggagagtc	360
gccaacacat	tttaaagctg	atctcatcag				390

<210> 2431

<211> 395

<212> DNA

<213> Homo sapien

<400> 2431

gaaaaacagt	agccctccta	ccctgccttt	accccaacttt	ccttgccctca	cagtagtctg	60
tgccaactct	tggctgattt	gtttgtatct	acctccatgt	ctcaatatga	acatgttttc	120
atgactattc	cttgatgggt	ttttgtttgc	ttgttttaag	acggtctcac	tcttccccag	180
gcgggagtgc	aatggcacia	tcatggctca	ctgcagcctc	aaccttctcg	ggctcgggtg	240
attctccac	ctcagcctcc	tgagtggcta	gaaatgctgg	tgcacaccac	catgcctagc	300
tagtttttgt	attttttgta	gagacagggt	tttgccatgt	tgcccaagct	ggtcttgaac	360
tccggggctc	aagtgatctg	cccgcctcgg	cctgg			395

<210> 2432

<211> 390

<212> DNA

<213> Homo sapien

tatatttttc	aaaaactctt	aagtcttaca	aagttatctc	ataagaacag	ccctaatttc	180
ttctttccac	cactttgtaa	acagtaatat	actttaaaat	gtgtaacatt	tagcaacttg	240
tagctctgca	tgcagtaaaa	ttcaacattt	tctgaattaa	tttttactgt	ggtatgctga	300
cttcatgtat	tttattttca	tgggctgggt	taaaaatacg	agaatggaaa	gatgaaagaa	360
aagattagta	catgcaaact	atagaagttt	aggtagcaac	ccag		404

<210> 2436

<211> 393

<212> DNA

<213> Homo sapien

<400> 2436

cgttgctgtc	gagaaaaggg	gctctgctga	cctgccacct	tcgctgtgat	gagtttctgt	60
gtagcaggga	cagcgaggca	cggtttggtg	gaggacaaga	tgtttgttac	cctacaacca	120
gggagggtgt	cgggtgacac	cctgggctca	gaccccgcg	tcagcacccg	tctcccaccg	180
tgggctgcc	cagaagctac	aaggcaccgg	gtcaaggcca	agcaaataaa	acacgtaatg	240
atagctctgt	ctttctaatt	tccccctatt	agaagaaaga	acgtgaaata	attctttatg	300
ggctcagtc	ctaccgtgtg	gggcagacct	gctctgggtg	atgaaagcag	tttccctgcc	360
tcccttcagg	aagtagagaa	gccgggtgcc	tgg			393

<210> 2437

<211> 389

<212> DNA

<213> Homo sapien

<400> 2437

cgttgctgtc	gttttagacgc	atcacgattt	tgccccgatt	cccaacgtgg	agaaaccaac	60
ggggaaagag	acggagacca	acgagaacca	tctcactggg	agaggcgatg	ctgtttgaca	120
catcgctcc	gtaccttcca	aagccactgt	cctcccacac	ctgggcaaca	gtggcctcaa	180
ccccaggccc	agccctcctg	caggaaggaa	gaggactgaa	tggaggcggt	ggcaggatga	240
aaggacgtgg	cctcctcaaa	cccatttgga	aagggcctct	ggggccacct	ggctaagagg	300
ggctggcaca	ccaagaagtg	gcctcctccc	gggagttgag	ccagagccca	ggtgctgtcc	360
ccaagtggac	tccagagcca	cctttttcag				389

<210> 2438

<211> 387

<212> DNA

<213> Homo sapien

<400> 2438

cgttgctgtc	ggtttcaaag	gatactgtca	tgaagcagac	acatgctgac	acacctgttg	60
atcattgtct	atctggcata	agaaagtgtg	gcagcacctt	taagcttaaa	agtgaagtca	120
acaagcatga	aacagccctt	gaaatgcaga	atccaaattt	gaacaataaa	gaatgttggt	180
tcacctttac	gttgaatgga	aactccagaa	aattagaccg	tagtgtgttt	acagcatatg	240
gtaaaccacg	cgagagtatc	tactcagccc	tgagtgtctg	tgactatttc	agtgaagga	300
taaagaatca	gtttaataag	aacattattg	tttatgaaga	aaagacaata	gatggacata	360
taaatttagg	aatgcctctc	aagtgcg				387

<210> 2439

<211> 391

<212> DNA

<213> Homo sapien

<400> 2439

ggcacgagac	taggcaagtt	gctttggcat	atatcattct	cattaataaa	acagacttgg	60
ttccagaaga	agatgtaaag	aaattaagaa	cgacaattag	atccataaat	ggactaggac	120
aaatcttaca	aacacaaaga	tcaaggctca	gcagctgata	gactcagcaa	caggcagcca	180
ggagctctga	ggctcacagc	tggcagtcct	gttccactca	gtctctactt	gagaaattct	240
ttctttggaa	gtacagcaga	ggccttagag	ctgatctctc	taatgtatta	gatcttcatg	300
cctttgatag	tctctctgga	ataagtttgc	agaaaaaac	ttcagcatgt	gccaggaaca	360
caacctcacc	ttgatcagag	tattgttaca	a			391

<210> 2440

<211> 402

<212> DNA

<213> Homo sapien

<400> 2440

ggcacgaggg	tactaagatg	ggaaaaacta	tcacgacagt	ggcaccacct	gatttcatga	60
tgtaccatat	gcagtaacac	atgtttgagg	tacagaattg	aagctgattt	ttctgcaaaa	120
gatgaatttc	tataaacaat	cccatTTTTA	tattttatta	ttaaaacaaa	aataaccttc	180
tttgctagag	agtatatgta	tgacttaaat	tattagctat	ggtttgattt	tagtacatgg	240
cagattgcct	gtaagtctgt	tcattttaac	aacatacggg	gctgggcacg	gtggctcacg	300
cctgtaatcc	cagcactttg	ggaggtttgcg	ggtggatcac	ttgaggtcag	gagttcgaga	360
ccagcctggc	caacatggca	aaaccccgtc	tctatgaaaa	at		402

<210> 2441

<211> 387

<212> DNA

<213> Homo sapien

<400> 2441

ggcacgaggg	gaagaggtgc	aggagaagct	gtgtttttta	tctccacacg	cagtatgaag	60
ataaaattac	atagtattac	ctagacatag	acagtattac	ctaggtagat	gcactgctca	120
cctgcgccct	tcccagctct	catttttgtt	aggtgatttg	ggatagggat	agtgttttgg	180
ggtatggggg	gagtgttttc	tgccctgctt	gcgtacgtgc	atgcgcgcc	ctgctggttg	240
gcgcggggcc	cctgcccttt	ttcttgctcg	tgccggacgg	gaccggtag	gcctcggagg	300
cacgtgtttt	tctgtgcccc	acacgtaacc	ttctgaacac	tgtggtacaa	gaagtctccc	360
ccaatatcgt	gcccctagcg	ccacacg				387

<210> 2442

<211> 391

<212> DNA

<213> Homo sapien

<400> 2442

ggcacgagga	aggcagcagg	atggcagtg	ccagtgggg	caggctgggc	catctccctc	60
tcagacctca	gcacctgggt	cctcggggct	gctgctcttg	ttccggaagt	ggtctcgact	120
ccgttctctg	ctgccatgga	agccaacagt	ttccaccggc	gggagacctg	gcacagaccc	180
actgtggaca	gacctgaca	gtgcctccac	ctcctgcagg	cctccatggg	ggctgcccc	240
ctcctcagcc	tctgggctcc	cgggcccggc	cagatggggc	agctccacag	ggcctcggcc	300
cctgtctgtg	gcaggattcc	caaggccggc	cctgcctggc	tctccacact	tccccaggac	360

391

<400>	2443								
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accatctacc	atgactaaca	acaatgaaca	aagggttag	gggcaagagc	tacctgcaa			120	
gacgtgtcat	ggaacccttc	accatgcaat	gccttgaact	cagctctggc	tgctccaag			180	
aaaaggtggc	tggctggggg	cctggacaca	agcacaatgg	ggctgggtga	gccactgtgc			240	
agagctaact	gaataatcac	tgggttttca	tcaactcctt	ttgtcataca	gaccactcaa			300	
gggctgaagt	gttggttaacc	ttcatttcgg	tgccaaagcc	tcacagcagg	tgagccaccc			360	
tgagatgctt	gtggccacat	ggtggccaca	gtcagagctt	tgaa				404	

<400> 2444							
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agagattaag	aaaaattata	gatacaaaaa	agatgagctt	ttcaagagac	taaaagttac		120
aacttttgcc	cagctgatca	tccaagttgc	ttccctctct	gatcaaacac	tggaagtgc		180
agctgaggag	attcaaaggc	tggaagacaa	tgattctgca	gcttcagacc	ctgatgctga		240
aaccactgcc	aggaccaatg	ggaaaggaaa	tccaggtgag	cagtcgccga	gccctgagca		300
gttcataaac	aacgcaggag	caggggactc	cagccgctca	actcttcaga	gtgtcatcag		360
tggtgttggg	gaactggatc	tagacaaagg	gccag				395

```
<220>  
<221> misc_feature  
<222> (1)...(393)  
<223> n = A,T,C or G
```

<210> 2446
<211> 404

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

```
<400> 2446
gngacganaa cagtgtgcag gagactcact cccagctgct gggctcttgg gacccgtggg      60
aagaaccgga agacgcagcc cctgtggccc cctccgtccc tgcctctggg taccctgagc      120
tgccacacac caggagagag gtccagtctg aaagtgccca ggagccaggt gcaggcccgg      180
gacccccctg ggtgagggct ggggcagggg agggctgggg gaccccgacc ttccatggcc      240
catagagggg gggggccagg gtgtggggac atttcgcagg cctgtcctcc taggaggggt      300
cagtccagcc gagggcccaga gggcgtggtg ggttcttgag ccccaggag ccagggatgt      360
ggaggcgcag ctgcggcggc tgcaggagga gaggacgtgc aagg                                404
```

<210> 2447
<211> 402
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

```
<400> 2447
ggcacgagag gagcgctact ttgagccact ggtgaaaaaa gaacaaatgg aagaaaagat      60
gagaaacatc aaagaagtga agtgccgtgt cgtgacatgc aagacgtgcg cctataccca      120
cttcaagctg ctggagacct gcgtcagtga gcagcatgaa taccactggc atgatgggtg      180
gaagaggttt ttcaaagtgc cctgtggaaa cagaagcatc tccttggaca gactcccga      240
caagcactgc agtaactgtg gcctctacaa atgggaacgg gacggaatgc taaaggaaaa      300
gactggtcca aagataggag gagaaactct gttaccaaga ggagaagaac atgctaaatt      360
tctgaacagc cttanataac ccgaacttca gacattntcc cn                                402
```

<210> 2448
<211> 392
<212> DNA
<213> Homo sapien

```
<400> 2448
cgttgctgtc gggccacctc atgcccaccc cggccatcta gggtcagcac aacccagatg      60
aggccgctga agggcaccgg atgcccagga atcaccacct ggtaccagaa gcgggtgccag      120
ccagcagggt ctatgcccac acacttggtg aggaacacag ggctgcccag cttcattcgt      180
tggcacagca actgcagggg agcccagacc ccttggaacc ctaacttgtc ctttgccaaa      240
gccaaactgg tgccctctgg ctgtggggac cgcaagaagg gaccacaag ctgctggcga      300
agtcgctgct tcaggtctgg cttgagccac tccacagcca cctgctctcc acagaggtgt      360
gactgccctg taggaaaaat gcaaagacaa gg                                392
```

<210> 2449

<211> 402
 <212> DNA
 <213> Homo sapien

<400> 2449
 ggcacgagag aggccttaaa ctctggtggt gagtactact gggaccagct gaacgagacg 60
 gtcttcactg tccattccaa cagcaggagc agcgagcggc ctggaaccag cagagccaca 120
 tggaggacag acagagacat ggggctgatg aatgccattg ggcttcagcc ccggaaccct 180
 gccacctcag tgacatctca gggcacccag actctggccc ttcagctgca gaatgccgaa 240
 acacagactg agagggaggt gccggagcca gggacagccg cctcaggtcc tggatgaagg 300
 gaggggttcag agtatggtgc cagtggagaa gatgcgctca gcaggatcca gaggctgatg 360
 gcggaggggcg gcatgacagc cgtggtgacg cgggagcaga gc 402

<210> 2450
 <211> 393
 <212> DNA
 <213> Homo sapien

<400> 2450
 catagttcct aaggcatgac cattctgtcc tgtggtacca ggctggacta agctcccatt 60
 tctttaagcc atgctgtccc ctgcagggac ttccaagggt gagctgatga gcaatagtta 120
 tgagtcattg gaggagacat cccaaaggcg ccagctcccc tctgccctaa actgaaatta 180
 agacctggtg ctctgggtgg gggccctgga aagggatgtg caactcatag gggaccttct 240
 ccaccttcac ccaggagacc ccaggaggac catggcagag ccggagccct cttttttttt 300
 ggctgctttt tattttatta ttattatact tgaagtggta gccctctttt aaaaaccaa 360
 tgagaatagg ccaaagaagc caatcgtctt tgg 393

<210> 2451
 <211> 392
 <212> DNA
 <213> Homo sapien

<400> 2451
 ggcacgaggc cctgcgcatg ctgaaataac tggaaaccag cctctcctcc tacaccggcc 60
 taccatctg gggccaagag ctgcactcac actcctacaa cgaaggacaa actgtccagg 120
 tcggagggat cagagacac agaacctgga ggggtgtgca cgctggcagg tggcctctgc 180
 ggcaattgcc tcacctgag gacatcagca gtcagcctgc tcaaagcggg ggtgctggag 240
 cgctgcaga cacagctctt ccggagcagc cttcaccttc tctctgggat cagtgtccgg 300
 ctggccgacg tggcatttgc tgaccgaatg ctcatagagg ttgaccccca cagggtcacg 360
 caggactcgg aactgcctt ggaaacatgg at 392

<210> 2452
 <211> 404
 <212> DNA
 <213> Homo sapien

<400> 2452
 ggcacgagag gacttgcccc atgtgcaaat gtgacatact caaagctttg ggaattgagg 60
 tggatgttga agatggatca gtgtctttac aagtcctgt atccaatgaa atatctaata 120
 gtgcctcctc ccatgaagag gataatcgca gcgagaccgc atcatctgga tatgcttcag 180
 tacagggaac agatgaaccg cctctggagg aacacgtgca gtcaacaaat gaaagtctac 240

```

agctggtaaa ccatgaagca tattctgtgg cagtggatgt tattcctcat gttgacaacc 300
caacctttga agaagacgaa actcctaatac aagagactgc tgttcgagaa attaaatctt 360
aaaatctgtg taaatagaaa acttgaacca ttagtaataa caga 404

```

<210> 2453

<211> 394

<212> DNA

<213> Homo sapien

<400> 2453

```

cgttgctgtc ggaaggcaca ggcttttatt tatcccgat ctgctctcct gaaataattg 60
tggagtcatt cctgaaatgc cggaggacat ggagcagag gaacttaaca tccctaatag 120
gaggggtctg gttactggtg ccaactgggt tcttggcaga gctgtacaca aagaatttca 180
gcagaataat tggcatgcag ttggctgtgg ttccataaga gcaagaccaa aatttgaaca 240
ggttaatctc gtggattcta atgcagatca tcacatcatt catgattttc agattactga 300
cagccctgtc ctaggagcac aacgttcgag aaatgctcaa cttgactgct ccaaattgga 360
gaccttgggc attggccaac gaacaccatt tctg 394

```

<210> 2454

<211> 396

<212> DNA

<213> Homo sapien

<400> 2454

```

cgttgctgtc gcccatttta gccatggtgt ctctataggg gtcagacatc atgtgcccag 60
acctaaggtc aggaatgtca tatttttctg ttaaaatcat tttatttctg tgtatcttac 120
ctttaaatca ttgtggttta ctctgagatt ctgtagtcct aatattgtat cattgtgctg 180
tctgcaaaac aacttgaatc tattttgttt gcattctttg ttacatgtaa cgcagctgta 240
ctttatgttc ttgtcaactg ttccattat gagaacgctg tgctatttac aaggttacat 300
ttttcttggc caggcgaggt ggtcatgcct gtaatcccag cactttggga ggccaagggtg 360
ggcggatcac ttgaggtaaa gaggtagac cagcct 396

```

<210> 2455

<211> 393

<212> DNA

<213> Homo sapien

<400> 2455

```

ggcacgaggc ttattgagga aatccagaag gaggctgaag aggaacagaa aagaaagaat 60
ggagagctgc gatgtgaact gcccctcccc tcgcatcccc caggccacca acggcagtc 120
ttctgccttg tccatggcat aggccataga ccaggctcct gctgctcaca cctgggcctc 180
tcctcggagc cgacccctgg gtagcaaggc agccgagagc atctccctgg aggggcccac 240
ggttggggcca agggcagagg gggctgcacc tgcgggcctg ggaagcattg ctcagggtgg 300
ggggctggga ccatggcccg cagaggcact gccacagctg tgaggggcaa gatgctgtcc 360
ccccatccaa aaccctgctg ccaactgcagt gag 393

```

<210> 2456

<211> 392

<212> DNA

<213> Homo sapien

<400> 2456
 cggttgctgtc gcctcttctg atgtgcatag taggctaggt gttcccaggc aggatagtaa 60
 aggcctctac gccgatactc gggagaagaa atcaggtaat ttatggactc gcctaggatc 120
 tgcacccaag accaaagaaa agaatacgaa gaaagtggat cacagggcgc ctggcgctga 180
 ggaagacgac tctgagctgc aaagggcatg gggggctctg attaaggaga aagagcagtc 240
 tcgccaaaag aagagccgct gttaccagca cccttttccc aagaaaagtc aattcccagg 300
 tgcttattgg acatccttcg agggggaaga ggaggggaagc ggccagctca cccttccggg 360
 accctagtgt ggggcgaatc tcacggacct ga 392

<210> 2457

<211> 401

<212> DNA

<213> Homo sapien

<400> 2457
 gggacgaggt ccagcccgtc tgagcttcca gcctcccctg caggtggcag cgctcctgtt 60
 ggcaagaaat tggagaccag cagaaggcct ccatctggaa ctccactac ctccaagagc 120
 acctctccaa ccttcacgcc ctccccctca cccaaagggc aactgcaga gtcctcagtg 180
 tcttcctcgt catcccatcg gcagtcgaag agcagtgggg gctccagcag tggcaccatc 240
 acagatgagg atgaactgac tggaatcctt aagaaattat cacttgagaa atatcagccc 300
 atttttgagg aacaagaggt ggacatggaa gcgttcctca cactgactga cggtgacttg 360
 aaggagctgg gaattaagac agatgggtcc aggcagcaca t 401

<210> 2458

<211> 403

<212> DNA

<213> Homo sapien

<400> 2458
 ggcacgaggg accatctaca gagctgctac tcaaaactta tggacaact ggaaacctcc 60
 aggagggaaa tgattgggct tcaggaaaaga gacagacagt tacaatgtaa gaacaggaat 120
 ttgcatcagc tactaaagaa tgagaaagat gaggtgcaaa aattacaaaa tatcattgca 180
 agtcgagcta ctcagtataa tcatgatatg aagagaaaaag agcgtgaata taataaactg 240
 aaggaacgtc tacatcaact tgttatgaac aagaaagata agaaaatagc tatggacatt 300
 ttgaattatg tcgggagagc tgatggaaaa agaggctcct ggaggactgg taaaactgaa 360
 gccaggaatg aagatgaaat gtataaaatt ctcttgaatg att 403

<210> 2459

<211> 399

<212> DNA

<213> Homo sapien

<400> 2459
 ggcacgagtg actattgaaa atgcttagaa tgaaaaaat gaaaattctg acctaaaaca 60
 gcaaatcagt agtttgcaga tccaagtgc ttcacttgca cagtcagaga atgacttgct 120
 gaattcaaac caaatgctga aggaaatggt ggagagatta aaacaagaat gccgaaattt 180
 tacaagccaa gctgaaaaag cgcaactaga agctgaaaag acattggaag agaaacagat 240
 acagtggttg gaagaaaagc ataagcttca tgagcgtatc acagacagag aagaaaagta 300
 caatcaagct aaggagaaac tgcagcgagc tgcaattgcc cagaaaaaga gaaaatctct 360
 tcatgaaaac aaattgaaaa gactacaaga gaaagtaca 399

<210> 2460
 <211> 397
 <212> DNA
 <213> Homo sapien

```
<400> 2460
ccagggagac ggcaattcag tttaaacttc cactatacag acagcggtag cagttcgtta      60
aaaatttagt ggatcaacat gaggcctaaga agagttgcag acctgggatg tggtgatact      120
tcactcttaa ggctgctaaa agtcaatcca tgcattgaat tgcttggttg agtagatatt      180
aatgaggata aattacgatg gagaggggat tcgttagctc ctttcctggg ggattttctg      240
aaacctcgga atctgaattt gaccatcaca ttgtatcatg gctccgttgt ggagagagac      300
tctcgtttgc ttggatttga cttgataacg tgtattgaat taatagaaca tttggattca      360
ggtgatctgg ccagatttcc tgaagtggta tttggggg      397
```

<210> 2461
 <211> 386
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(386)
 <223> n = A,T,C or G

```
<400> 2461
tgcgtttcca acagaaatta aggtcgatgt gtgcaaaaga gtaaactctgg acattactac      60
tttaatcaca tatgtatctg ccctcagcta tggaggctgc cactttattt tcaaagagaa      120
agtgcctaca gaacaagcag agcaagagag gaaagagcag gttctacctc agctggaggc      180
ctttatgaag gacaaggagt tgtttgcttg tgaatctgct gtcaaggact ttcagtctat      240
tttagatacc ttangaggac ctggggagag agagagggcc actgtgttaa ttaagcgaat      300
taatgtggta ccagaccagc cttctgagcg tgccttgaga ctagtggcca gttcaaaaat      360
taatagccgc tcattaacaa ttttttg      386
```

<210> 2462
 <211> 392
 <212> DNA
 <213> Homo sapien

```
<400> 2462
ggcacgagcg gtcgcgggagc tgtggccagc tttgggaggg ccggccccgg gatgctacac      60
acaacccagc tgtgcctatg cggacatcac gtcgccatc aagtttctgt ttgagcgtgt      120
ggagggcatc tccagggcta ccatcattga tcttgatgcc catcagggca atgggcatga      180
gcgagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta      240
cccaggggac cgctttgcca agcaggccat caggcggaag gtggagctgg agtggggcac      300
agaggatgat gagtacctgg ataaggtgga gaggaacatc aagaaatccc tccaggagca      360
cctgccccgc gtggtggtat acaatgcagg ca      392
```

<210> 2463
 <211> 385
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 2463
 ttgagaagat cctcagcact cttgttaaag ggacacgcag acctgtgacc tgcaagattc 60
 gcacccctgcc attgctgata cccctctccat tcctgtcata gccaacggag gatctcatga 120
 ccacatccaa cagtattcgg acatagagga ctttcgacaa gccacggcag cctcttccgt 180
 gatggtggcc cgagcagcca tgtggaaccc atctatcttc ctcaaggagg gtctgcggcc 240
 cctggaggag gtcatgcaga aatacatcag atacgcggtg cagtatgaca accactaac 300
 caacaccaag tactgcttgt gccagatgct acgagaacag ctggagtcgc cccagggag 360
 gttgctccat gctgcccagt cttcn 385

<210> 2464
 <211> 386
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(386)
 <223> n = A,T,C or G

<400> 2464
 ggcacgaggc cggtttgcc cttctttgta tgagagtttc atccgccctg aaatcttccc 60
 ggtcggttaat aactcctcag gtccctgcct gcacagggtt ttttcttagt ttgttgcccta 120
 agagtacacc aaatgtgaca tcctttcacc aatatagatt acttcatacc acattgtcaa 180
 ggaaaggact agaagaattt ttgatgacc caaaaaactg ggggcaagaa aaagtaaaat 240
 ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac 300
 tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc 360
 ggcagagatt gccaatgcca agtcen 386

<210> 2465
 <211> 391
 <212> DNA
 <213> Homo sapien

<400> 2465
 ggcacgaggc cggtttgcc cttctttgta tgagagtttc atccgccctg aaatcttccc 60
 ggtcggttaat aactcctcag gtccctgcct gcacagggtt ttttcttagt ttgttgcccta 120
 agagtacacc aaatgtgaca tcctttcacc aatatagatt acttcatacc acattgtcaa 180
 ggaaaggact agaagaattt ttgatgacc caaaaaactg ggggcaagaa aaagtaaaat 240
 ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac 300
 tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc 360
 ggcagagatt gccaatgcca agtccagagc g 391

<210> 2466
 <211> 397
 <212> DNA

<213> Homo sapien

<400> 2466

ctccagaata	ttattaagac	tcttaggggt	cctctcagtt	tgaagtattc	ctgcccttct	60
gaaagcacat	ggaaactagc	agtatcctct	ctcctcagag	ttctttctat	tgggctacct	120
gttgcccggc	agcatgcttc	ttctggaaaa	tttgacagta	tgtggccaga	actagccaat	180
acttttgaag	attttctctt	tactaaaagc	atacctccag	ataatctctc	tattcaagag	240
tttcaaagaa	atgaaaatat	tgatgtcgag	gtagttcaac	ttatcagcaa	tgagatacta	300
ccttatgcc	attttattcc	taaggaattt	gttgggtcaa	taatgacaat	gcttaacaag	360
ggctcaatac	attctcagtc	atcttcattt	acagaag			397

<210> 2467

<211> 397

<212> DNA

<213> Homo sapien

<400> 2467

ggcacgagaa	agctgggcgt	gaatttccag	aggaagatgc	agaacaactc	aagcatgtta	60
ctgaacagca	aagcatgggt	cagaaacagc	tagaacagat	tcgtaaacia	cagaaagaac	120
atgctgaatt	gattgaagat	tatcggatca	aacagcagca	gcaatgtgca	atggccccac	180
ctaccatgat	gcccagtgtc	cagccccagc	caccctaat	tccaggtgcc	actccaccca	240
ccatgagcca	acccaccttt	cccatgggtc	cacagcagct	tcagcaccag	cagcacacaa	300
cagttatttc	tggccatact	agcctgttta	gaatgccag	tttacctgga	tggcaaccca	360
acagtgtctc	tgcccacctg	ccctcaatc	ctactag			397

<210> 2468

<211> 390

<212> DNA

<213> Homo sapien

<400> 2468

ggcacgaggc	agccttctcc	actcttccct	cccttgaggt	ttcgcccagt	acctttgccc	60
tcaggcgagg	aaggggaata	tgtcctggca	ctgaagcaag	agctacgagg	agccatgagg	120
cagctcccc	acttcatccg	gccagctgtc	cccaagagag	atgtggagcg	ttattcagac	180
aaatatcaga	tgtcagggtc	gattgacaat	gccatcgatt	ggaaccctga	ttggcggcgt	240
ctaccccg	agctaaagat	ccgagtgcgg	aagctacaga	aggaacggat	tacaattctg	300
ctccccaaga	ggccccctaa	gaccacagaa	gataaggagg	aaacaatact	gaaactagag	360
accctggaga	agaaggaaga	agaagtaacc				390

<210> 2469

<211> 387

<212> DNA

<213> Homo sapien

<400> 2469

ggcacgagga	tgactcttgc	ctccattgggt	ggcctcgctg	ctcgtctaca	actctggggc	60
ttcaagctgg	actatgacag	catggagcgg	gaaattgctg	agccactgtt	tgacctgaaa	120
gtgggtatgg	aacagctgggt	acagaatgcc	accttccgct	gcacccctgg	taccctccta	180
gcgggtgggca	acttctctca	tggctcccag	agcagcgggt	ttgagctgag	ctacctggag	240
aaggtgtcag	aggtgaagga	cacgggtcgt	cgacagtcac	tgctacacca	tctctgtctc	300
ctagtgtctc	agacccggcc	tgagtcctct	gacctctatt	cagaaatccc	tgccctgacc	360

cgctgtgccca aggtggactt tgaacat

387

<210> 2470

<211> 383

<212> DNA

<213> Homo sapien

<400> 2470

actaactttt	tctaagagaa	attgattcct	gttttgtcat	ctgatgcaat	ttgctcttat	60
aaagagacat	tttcataggt	tcagagtaac	tcacctccat	gggctgacca	aaggcttttc	120
taatttttgt	tactgatgag	atgaaaccta	tttgtaagga	gatcttcccc	aggagcattt	180
ctggttgccct	cttgacatca	atgaaaagta	gcatattctc	ttatgaaata	gcatgagaaa	240
acacagggca	tttctaggac	agtaaaacgt	taaagtactg	gattaagaaa	acaacaacag	300
gctgggcgca	gtggctcaca	cctgtaatcc	cagcactttg	ggaggctgag	gcgggtggat	360
cacctgaggt	caggagtttg	tga				383

<210> 2471

<211> 371

<212> DNA

<213> Homo sapien

<400> 2471

cgttgctgtc	ggtccgtttc	ccatatattg	agggataaag	aaaattaagc	ctgcctgtag	60
gcacgtctca	aacttgggag	actcagaata	caacagagta	tgggatacag	ggaggaaaga	120
agagatgcag	aaataaatta	aaaacaagat	ttgtttaaag	aggaactgca	acttctttaa	180
ttgggcagat	tgaaccaata	aaagcacagt	tctctccctt	cacctgttat	cctttagtct	240
cttcaacttt	cacattgctt	cactcactct	cttctctctc	ctttcacctg	ctcaccttac	300
ccaacttgaa	ctgtgccctc	tgatctgaca	caggatgaca	atgacagcag	tcattaccta	360
gcagccattt	t					371

<210> 2472

<211> 383

<212> DNA

<213> Homo sapien

<400> 2472

ggcacgaggg	cagaggttgc	agtgagctga	gatcatgccca	ctgtactcca	gcccaggcaa	60
cagagtacga	ctgtctcaac	aacaacagca	acaacaacaa	caacatcttt	cacaaaagct	120
tattttcaagg	aaaaacacaa	agaaatttca	caatgaatta	aattaacagc	cttggttagct	180
agggttaaaaa	atttaaagca	aagaaataaa	agttgatacc	aggtttagcaa	agacaaggta	240
aaaaatagta	ctaagacact	tcaggacctt	taaggatatt	tgaagagggt	tcaatattta	300
gtatctaagg	taaaaagagt	tgatgcagta	ttttcaggta	aaggaaatcc	ttgcaaaatc	360
agactgattt	gataatatta	ggg				383

<210> 2473

<211> 383

<212> DNA

<213> Homo sapien

<400> 2473

ccacattcat	ccccagcctc	gctgtacagc	tattatgtgg	ggatttgcca	atcaataaat	60
------------	------------	------------	------------	------------	------------	----

```

caaggcacct gaaaaatgaa ctggggaacc aactgactt tccccccctt cttgattaaa 120
acaaacaaca ttgtgaaatg tcaacctgtc agtcgtttgg aaagtttgcg gcatggaaag 180
gcaattaccc aaatgacttt ttaaaagtat gagaatttgc ctggctgaac gttttttaat 240
taatgccgtg agttaacatt aataactatt catagcttag tgagctgggc ttgaggtggg 300
tttaggaaac atttggtatc tctggcaggg acagatgttg acctggccgg tcggcagctt 360
ttacaaacct aaggacttca ggg                                     383

```

<210> 2474

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

```

<400> 2474
tacggttgcg ataagactac agaagggtcg gctcccaga gggctgggat tacaggcgtg 60
tgccactgcg cccagccggn ccctgctttc atgtacctta gaattcagag gaaaaagag 120
atattaaaca aataaatata caaatgaaca tacaatttca gtgaggttta agtgccatgc 180
aggtaaagaa ttaagggtcc tgtttcattt acttcttacc tgccttgacc tgtccttcat 240
taattccaca aatacttact gacctgca tggcaggctc tatgctgagc actgtgaata 300
cagaagtgcg tcttgatatg gggattcgaa ctgcatggag ctacaccgt ccaaccaga 360
ttgacatata taataggtcc t                                     381

```

<210> 2475

<211> 374

<212> DNA

<213> Homo sapien

```

<400> 2475
ggcacgaggc tactactgcc actcccagtg tgctgaccat tcaaagttca gcaacacctg 60
ttaagtcct tgctcctggt gaattcggta accatagacc aaaaggggca ctaagacctg 120
gaaatggccc tgaaatttta ttgggtcagg gacctcctca gcagccgcca cagcagcata 180
gagtactcca gcaactacag caggagatt ggagattaca gcaactccat ttacagcatc 240
gtcatcctca ccagcagcag cagcagcagc agcagcaaca gcaacagcag cagcagcaac 300
agcaacagca gcagcagcag cagcagcagc agcaccacca ccaccaccac caccacctac 360
ttgaagatgc ttag                                     374

```

<210> 2476

<211> 381

<212> DNA

<213> Homo sapien

```

<400> 2476
cgttgctgtc gggccggttg atcactcgag gtcagcatat tgagaccaac ctggccagca 60
tggtgaaacc ctgtctctac taagaatata aaaagtaact gtgcgtggag gggggcgcc 120
gtaattccac ctattcggga ggctgaatca agagaatcac ttgaacccgg gaggcggagg 180
ttgcagagag catagaagga gccactgcac tctagcctgg atgacataat gaggtcag 240
ctatcatggt aatagtagcc tgaacctatg tgaaatctaa gaacatataa cactaatttt 300

```


tcatagtata aattaaataa tggttgcccta gcgctggaga ttccgggaag ggacacagat 360
tctctgtatt gatagactgg c 381

<210> 2477
<211> 380
<212> DNA
<213> Homo sapien

<400> 2477
ggcacgaggt cctttccagc tttgggttca cagccttctg ttattcctgc tgtcaatttt 60
ttgtctttct actgtgcttt tcaaccttgg ttattcatgt atcaccttca tctgtgcat 120
tattaccatt taactgcagc aagtaaagac gttaatagtg aggtttttgg gaatgtggta 180
aaaccgggag gtatatattga ctttgtccaa gttatctgat gaggcagatc agctaaagca 240
aaatacagtg gggttgcctcc tactatcact gggacctaga gatttcatct acatctctga 300
aaaatggggg ttctgtatga tagtatgggt gagaaggaat gacagcagaa ctatcaactg 360
ttttctgatt atcctgatga 380

<210> 2478
<211> 374
<212> DNA
<213> Homo sapien

<400> 2478
cgttgctgtc gggagtccac aataaggggg cctcatgcac atgattgaca gagagccaca 60
gcggccttgc attgtttata acaccagaaa gggacaattt agaagtgccca ttctctgctt 120
aacactaact ctctttaagc ctgatcacct cccacattct aatagggctt ccatgccgag 180
ttgttttcta gaatctttcc tttccatttt caggggaagcg tgaatgttgc tttaaatgca 240
gcgttttaat gtgggtataa gctttttatg tgacttaaat tacataaaca tttcagttgt 300
gctgaataca cctcttattt tctagatatt catgttttca tacagctcag gttttgatgt 360
attgtttgtc tttta 374

<210> 2479
<211> 373
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 2479
cgttgctgtc gggataaatg gaaatttcaa cttatttcaa attttgcaca tattatgaaa 60
ccttattaat gtatttttat caaactaaat cagatttgta tttgaattgt taggaaaaac 120
catgtgcagt tttggctgat aattgaagga aaaatatcaa atactttgaa tttttttct 180
cttttttcaa accctctgca gaggtaggaa ggtatgaatt tcttttttat gtcaagatgc 240
aaaaacaaat catgatgctt ttgttgggag aatttttgta ttcagtattt tgtatgtacc 300
tttttttttt ttaaattgga aagcccaatt aggttaaaca ttttaactttg cttgactcca 360
gtgtaaaatg aan 373

<210> 2480

atgctgctgg	gtggacatag	agcttcacca	ccatcctcct	gcatgtcctc	tgtgtctgct	300
gagcactaac	tgcgtgcccg	gcacagtact	gagcccattg	ctcatctcag	caggttcatc	360
ccagcaacct	gggaggggaa					379

<210> 2484

<211> 377

<212> DNA

<213> Homo sapien

<400> 2484

cgttgctgtc	ggaaggtttg	gtattgtaaa	tgtgctggtg	ttccaaagaa	aaattagcag	60
aggacttgag	atttagaaaa	gtctcctttg	taatgtgcat	cattaccagt	tatctaaaga	120
aaaacatgta	aaagccaaca	aaacccttga	aaatatTTTT	catatggatg	tctgtttcac	180
gtttcaactg	aagatgtata	gagcacctct	gatgatgagg	aagataccat	gctaggcagt	240
actttcaaga	acgtgagttc	ttattttctgc	aggccttttg	tgcccccttt	taaagtgttag	300
catttattag	gtacaaaacta	gtggggaagg	tttttttaaa	aagttttgca	gtcttgtaat	360
ttaccttttt	aaaaaat					377

<210> 2485

<211> 375

<212> DNA

<213> Homo sapien

<400> 2485

cgctgctgtc	gtatagaact	aaaatgtctt	aaaccacgct	tagtttcata	tttagaacia	60
aaaaatccct	aaaccattct	gtttaactgt	tagaaaccat	tctgtaaaat	gaagaaaatg	120
ggagacatgg	aaactgattg	ggggagttaa	gctttactct	catttttctc	agccattaag	180
aagctggaag	tatgtttctt	taaagaagaa	aaattcacag	tgtgccatct	tattttctct	240
ttctgccact	ttttaaaaat	cttcttattc	agaagtccag	caaagtaaac	caagtctggc	300
ctaatacttt	gatttacttg	aatacctcta	cgtatcttaa	taattccttt	aattttacat	360
tgtgtaaata	tttat					375

<210> 2486

<211> 372

<212> DNA

<213> Homo sapien

<400> 2486

ggcacgagat	tgtactggga	agaatgaaga	ggtgatacct	ttactagatc	cttcagacac	60
atctatgaga	agatttggtc	atttaaaagt	ctgcccactg	aggataggga	aaggattaag	120
gatttttcca	cctcctctta	gtaactcctg	aattaccaac	atcaacttct	ttctctccgt	180
tcctgaagga	actttgggga	atcatcttca	tccgtagtta	cgctttcctg	aaccttctca	240
gtggtttaca	tgccctctgaa	actatgtgca	atatttttgg	ttgacacttg	tatccatcct	300
taagaaatta	gtgcagattg	cagatgttct	gtcttccatc	ccaaacaagc	ctgccatgag	360
gtaggatcct	ag					372

<210> 2487

<211> 155

<212> DNA

<213> Homo sapien

```

<400> 2487
ggcacgagct ccgcgcggcc tcgggtccct ggcgcgcccc cccacaaca aaactcagcg      60
cagcgctccc gggcgccccg ttcagagcga cctgcggctc agagcggagg ggagactgac      120
cggagcgcgg atcgggacag cggccgggac agcggg                                155

```

<210> 2488

<211> 375

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(375)

<223> n = A,T,C or G

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<400> 2488
cagctcatat ctggctaaca gtggcactat gggagtttat atgatctgtg cattattctg      60
tgccatcacc ttctaagagc agagatgtga cccaataccc cttgttttcc ttaaagataa      120
ccattaaatt atatccatga atttataatca ccgtccctga ctttatacgt agatttttct      180
aattctgtca acccttaggg taatgaataa cttaaattggc caatgcctct gaataacatc      240
atacttcctt ttgtttctcc aaaaattgaa tcaagatgcc agggcaacta agatttttct      300
caatttgcta agttaaaggt cagtgtattc attagccaat ggttctgtat tttattcatt      360
ttagntttta ttcggg                                375

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<210> 2489

<211> 379

<212> DNA

<213> Homo sapien

```

<400> 2489
gcggattgtg acaaaatctt tcattaacaa ggggagtttc ggtgaagtgg aggtttgggg      60
aaaggcgagg aagtcgggtc ggagcaagca agcaaagtgc ggaagctgta ctgggattct      120
tctagaaagt ggggtgggaa aggaggtagg gagggcgtgt gcagggacga gatctgtgtc      180
agaacgtgcg tgtgagcggg tacaaaaccc gagagaggcg tgagcagcgc tgtgtttgoc      240
agcgggagcg aggggcgcgc gctgggggtgt gtgctcctga gctcttcaga aaccaggetg      300
ctttcaggaa cattgctgtg gattcccagg gcctattcca ctagaagcaa gatggctgaa      360
ctcaatactc atgtgaatg                                379

```

<210> 2490

<211> 372

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(372)

<223> n = A,T,C or G

```

<400> 2490
catctttggc gtaggccatg aaagacagga tgctcattgg gtgttctgct gactgaggaa      60
tgctgcctat tccctcgcag tacgccctac ccagggatgt gtgttgaaga gccctggagg      120

```

```

aatgggaccc agttttgcc catatcagta ttacgctgaa gatcagggtga ctggtatgcc 180
ccacctccca tcattgcctc ccatageccat tctgttcagt cagctcatcc acgctggatt 240
cctgagaggt ttgcaatttg ggaagccatg aaaaaggctt ttatatcttg gaaagatgga 300
gagagggaca taggatcggg gactcctaca tgacatgaat aggctggaga ttgggaatcg 360
gccatccacc an 372

```

<210> 2491

<211> 375

<212> DNA

<213> Homo sapien

<400> 2491

```

ggcacgagaa actgtcagcc cattaagtgt tcatctctaa tgtgaaatct ctagatgaag 60
gcaatttagc ttaatttgcc aagacatctc ttcattgtct ggagggctgc tgggggaagt 120
agagctggaa tccattggag ccaccaatct gcagaagtct agaacacaaa ggacacagag 180
tggttttggt gggtcattgt ggcatttgtc aaggaaaagc aacattgccc tctaaatgac 240
tcccacttct gttctggaaa aaacgcacat tcattcatgc caccatccca atagacatag 300
gaagcaatct ctcttcaggt tttgagatgg tgcaagcatt gacttttctt tctacagagg 360
gctgggatgg ggggg 375

```

<210> 2492

<211> 382

<212> DNA

<213> Homo sapien

<400> 2492

```

accgcacgag ggaaaatcaa acttcttgggt tgttctagct ttgaagcttt tgcttcagta 60
atatttgttt aaagaaccag atcacatacc atttatcaaa gtctttactt aagccagact 120
actttgcaga catacatatt tggaaaacag actgtttctt gttcactaga tagaatctgt 180
attgtagtaa gaaactactt acaaggtggc tttctttctg ctttgcactt ctatgtataa 240
ctcaataata tatgtatggg cacaggtgcc ctggagatgg tttatttctt tatgacagac 300
acatgagtat gcacctctct ctagtcctct gatgtcactg cagctacagt ctcttctcac 360
tctgtttttg agagccttca aa 382

```

<210> 2493

<211> 375

<212> DNA

<213> Homo sapien

<400> 2493

```

cgttgctgtc gtgagaacgc aatgtcaggt gtgggactcc ttctgcccct gcagtgggtg 60
ttacgggcgg tgtgccctgg cgagcaagct ttgattcttg gttctttgag ctcgtttcag 120
aggctgagtc cccacatcag ctttagttct tggacttccc tgtattaagc aagaattagg 180
agaatggctg tccctgcagg cgctcccggt aaatcctgag ctctctggcg caatctgaaa 240
cttctcttct gttttctttg gctgtatcag ccgaaccagg agaggcctgg gctgcgacta 300
aggagaaaga aatcgggggt ttctgagagc agatggtgcc tttgtgggtg cagggctttt 360
gtggaaattg tcacg 375

```

<210> 2494

<211> 371

<212> DNA

<213> Homo sapien

<400> 2494

cgttgctgtc	gaaagttcca	tataatgaat	taaaagaaaa	gtgctgtgaa	gaaaacaaat	60
tcaggatggg	aataggaggt	ccaagggagt	gcaaggtgtt	ttcattttga	atgtgggtgg	120
ctgggaaagc	ctcactaaaa	tttgagaaag	acttgatgaa	agagaggagt	gagccatgca	180
gccatttggg	ggacaacttc	caggcagacg	gccggaggca	gcagtgcag	ggcgtagtcg	240
gggcagtgtg	tatgcctcct	gtgtagcaaa	ccccaggcac	cctttattaa	gccaactatt	300
agggtttcca	ctgtttggag	gtggctcctg	ttcttggaga	cccccaactc	tgatgttttt	360
ttggaattgc	t					371

<210> 2495

<211> 368

<212> DNA

<213> Homo sapien

<400> 2495

ccgttgctgt	cgggcgagtc	tttaaaggag	tggctcatct	ttcctctccc	tggggcattt	60
tgggtgggga	gactacaggg	gatgaggtta	aaaagcttgg	tcggcaggta	gaggatgggg	120
agagaggtta	gggccctggg	aaaggtggga	gatcagccag	agacagggtt	cccagaacag	180
aatgtctggc	ctttgtgggt	aggagggact	gtggtatgag	ccgcagaagc	gggccagggg	240
taaacctccc	tgtgcgtcct	tccttcagcc	tggtcctgag	ggtgacctt	tgatcctggg	300
ttctccaggt	agggctgtga	gctgtgagtt	ggatcctttt	ggtgaaatgg	tctctctcat	360
ctggcctg						368

<210> 2496

<211> 378

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (378)

<223> n = A,T,C or G

<400> 2496

ggcacgagcc	aaggcctggg	ggccctcggt	ccctgcccc	tcgtcaccat	cctgtccttg	60
gctggccgtg	aggactcccc	tcctcaccac	tgggtccccc	agggctgagg	tgggcagtag	120
agggcatagg	tgggtacatg	tcccgggcaa	ggtctctcgg	ggggacagaa	gtgagtccag	180
ggagtgggtg	ggcctggggc	tcctcactc	aaaatgccgt	gggtgagga	cggtgaggac	240
aggggtgggca	ctgggttctg	gttttagagtc	agtaatgtta	gggcgcagtg	ggcagggggg	300
caggacatct	ccagccgggt	gtgaggaagc	atggtggggg	ctcctccaca	ggacggggagc	360
tgggngaggg	gtcctggg					378

<210> 2497

<211> 384

<212> DNA

<213> Homo sapien

<400> 2497

cgttgctgtc	gatttgtaga	ccagactggg	atccacagtt	taattgaggg	tttgcctccag	60
------------	------------	------------	------------	------------	-------------	----

tattcctggc	ccaatgacaa	agatcctgtg	gatggtcctt	ttcctactat	gacttttgct	120
gaggtgctgg	ccacctatgg	aactgataaa	cctgacactc	gctttggaat	gaagattata	180
gatatcagtg	atgtgttttag	aaacacagag	attggatttc	ttcaagatgc	acttaataag	240
ccccatggag	ctgtgaaagc	catatgtatc	cctgaaggag	caaaatactt	aaaaaggaag	300
gacattgaat	ccattacaaa	ctttgcagct	gaccatttta	atcaggaaat	cttacctgta	360
ttccttaacg	ccaatagaaa	ctgg				384

<210> 2498

<211> 371

<212> DNA

<213> Homo sapien

<400> 2498

cgttgctgtc	gccatgccat	tgacttgat	gcagaagcaa	tggtctcttc	cctctatcgc	60
cgaaccataa	gaggaaggag	cttgatata	agacaagtgt	acaccaaag	tgaaggatg	120
gaggttgaag	atctctatga	gcttttgaaa	cttggttaagg	aaaaagaaga	agtagagggg	180
atatcagtag	gtgctatact	ttctgactat	cagcgatttc	gagtggaaga	tgtgtgtaaa	240
aggcttaatc	tccagccttt	agcttatctt	tgccagagaa	accaggaaga	tttgctcaga	300
gagatgatat	catctaact	tcaagcaatg	atcatcaaa	tagcagcttt	gggttttagat	360
cctgataagc	a					371

<210> 2499

<211> 377

<212> DNA

<213> Homo sapien

<400> 2499

gtccaagctg	ctcggcttgg	agcaatgacg	tccatggtgt	gtaagggttg	caaagattct	60
tttggcaatg	attatataga	aaacttaaaa	cagaatgata	tttctacaga	atttacatat	120
cagactaaag	atgctgctac	aggaactgct	tctataattg	tcaataatga	aggccagaat	180
atcattgtca	tagtggctgg	agcaaattta	cttttgaaata	cggaggatct	gagggcagca	240
gccaatgtca	ttagcagagc	caaagtcag	gtctgccagc	tcgaaataac	tccagcaact	300
tctttggaag	ccctaacaat	ggcccgcagg	agtggagtga	aaaccttggt	caatccagcc	360
cctgccattg	ctgacct					377

<210> 2500

<211> 346

<212> DNA

<213> Homo sapien

<400> 2500

tttcgtttgc	gagaagacga	cagaaaggca	aggaactagt	gtgtatcaag	ccataactaag	60
ctggagttta	gcaggacaaa	ggcaaactaa	atgtagaaca	taacatatca	gctgaatatg	120
tctatccagg	actgtttttc	tagaacataa	atcatggagc	tccttgacag	tgtatccact	180
gtttttgggg	tttaataaaa	ccaactagaa	tttagactta	caaagaaatt	attattcctt	240
ttggttgccc	acataaagca	gtccagggct	atcatatggc	taaaatcaag	atatttggtt	300
catctctggg	atgtatttat	aaagtcact	tatcagccat	taagat		346

<210> 2501

<211> 344

<212> DNA

<213> Homo sapien

<400> 2501

tactttctgc	gagaagacga	cagaaggggg	cgagggggca	ccttacttac	ctcagggcaa	60
ctccccaac	actggagaca	gttcgttcca	aacaggagt	ggagacgaga	ctgaatggag	120
tttgataat	gaaaaagaat	gttcgggacc	aatttaatat	tcatatccag	ttagtgagga	180
acggagccaa	gctgagcaga	cttcctcaaa	tcctactcc	cactttacct	ccaccccat	240
cagagacaga	cttcatgctt	taggtgtttc	aaccaggcc	ctctctggct	cctcggatgc	300
ccttttccat	tgggcaggtc	acaatgccc	tggttatgcc	cagt		344

<210> 2502

<211> 338

<212> DNA

<213> Homo sapien

<400> 2502

agggctatgg	ctgctagaag	acgacagaag	ggataaccaa	acctcctaga	ctaacaacac	60
agtcattcat	cttacctcca	agaaaaacat	aacccaacc	agctatttgc	cctgctccca	120
gtagaggcag	acacacctga	atgtgctatg	aagagacaag	ccttagggga	gaaacagtgt	180
gatttgga	aatcattcta	taacagcgaa	acctttcgat	gtgttcaacg	gctgcagaaa	240
gcacaccaca	ggtgagagac	cagaaagtgc	ccaaggggtt	ttatacaaaa	aaactatatt	300
taggtatagg	gcacagtcta	cgtagaaaac	ctttcaag			338

<210> 2503

<211> 335

<212> DNA

<213> Homo sapien

<400> 2503

tacggctg	agaagacgac	agaacaaaac	ccctctgctc	tcctctcgca	gaggtcatcc	60
ctgagtcagg	gtggcagtc	ctccccggg	ggcagaggag	agtgcctatg	gttgaggctg	120
gggactctgc	aactggggga	ggcacggtaa	aattaacacc	tgtgatccc	atgggccttg	180
gacaggtttc	ttgacttttt	gggggcccgt	gtcaaagggt	gagtataata	acctcctccc	240
cacagcaaat	taataaatgg	catgtgcaca	tacagcgctt	gcctcatgtc	tcacatgata	300
aacctgattt	ctgggcactg	gctgagcgac	tatgg			335

<210> 2504

<211> 475

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (475)

<223> n = A,T,C or G

<400> 2504

acttgaactt	nnnaaggatc	ccatcgattc	gctcagatct	ccaactcctc	ctccttcttc	60
taagccatca	agtattcctc	ggaaatcatc	tgtggatctc	aatcaagtta	gcatgctttc	120
tccagctgcc	ctatcacctg	ccagctcatc	acaaagatct	ggaactccta	agccatctac	180
tcctacacca	accccttcat	cgaccccaca	ccctcctgat	gctcagagct	caactcctag	240


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tacccttca gccacccta ctccccaaga ttcaggcttc acccctcagc ccactttgtt 300
aactcagttt gctcagcagc aaaggtctct gagccaggca atgcctgtaa caaccattcc 360
tctttccacc atggtaacat ctataactcc aggaaccacg gccaccagcgc tcatggcaaa 420
ctctgctgga cttaacttca tcaatgtagt gggctctgtt tgtggggccc aggct 475

```

<210> 2505

<211> 446

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (446)

<223> n = A,T,C or G

<400> 2505

```

gacaattctc anggccttnn tggaagatcc catcganncg gttgcggcac gagaatgctt 60
ttgccattat acctatattt tttagaacag caagccctat ttgaccactc tcttcagcct 120
gtgtgttccct gctgttttga agtaatcaaa tgctgtgcat ggtatttttac ctgagctgca 180
acctgttatg gacttgaact tctgtttaag ttgaaagcaa gagtccctga gtataaagga 240
aaaacagcaa aacaaaaagc aaacaaaaaa aaactgcaaa agtctaaaat acccattggt 300
gatgtttttt aaaaaaatct tgctttcagc tttcaggagg taatattctt tgttttaatt 360
tgataattgg atatggttga tttatatttg gtttaaaactg cggagctttc atgtttactg 420
gtaattagtc ttaaaatatt ttttac 446

```

<210> 2506

<211> 444

<212> DNA

<213> Homo sapien

<400> 2506

```

tagctccatc ttatacgcac gaccgctcg attccaagat cgctgctgtc ggcattggaag 60
gatgcatgta tgactgagga aaagtcattc agtattgagt tcatttgcat tagaggaatt 120
tcatagttta aaacttgtat atctttacct atccttcgta tgttttcttc ttaagcatat 180
ttgacttttt ctacctcagc atctgtataa gaaaatattt gtgagtcaga tgtttgtggg 240
ttttccttac ctattattat tttcttccat gctttacaac acatttttta aactaccttg 300
ttcttaaata attacacgga cctgcttctg tgtactttca cagaatcttt gacagttaaa 360
aattgtatgt tatataaaaa tttgacaagc ttctacagtt aggaaaagcc tttagaaatc 420
tgccctcccc aaaccgtatg ttat 444

```

<210> 2507

<211> 431

<212> DNA

<213> Homo sapien

<400> 2507

```

ttcaaggacc acatgtgttc tctattttgc ctttaaattt ttgtgaacca attttaaata 60
cattctcctt tttgccctgg attgttgaca tgagtggaaat acttggtttc ttttcttact 120
tatcaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctaccccgag 180
cctgacaaat attgttacca tgaagatagt tttcctcaat ggacttcaaa ttgcatctag 240
aattagtggg gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct 300

```

```

gtgtctctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc      360
accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg      420
ggccattgcc c                                     431

```

<210> 2508

<211> 433

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(433)

<223> n = A,T,C or G

<400> 2508

```

cgttgctgtc gccgggcagg aaatttaaac tgaagccgcg gccgaaaacg ccaagagatt      60
gatgctgtag ctgccctgag ataaccagga ctgtggaatc ggggaagagct catggagctc     120
gcgaatgtaa tacggaggcc tctgaggaag gagtacggag gccgagaagg agccggcatt     180
tgatgagcga accgggaaaag ggagacgatt gcctcgagct ggagagttcc atggctgaga     240
gtaggctccg ggccccggac ctaggagttt ccagggtgtct aggaaaatgc cagaagaact     300
caccagggtgc caggaagcat cccttttccg gaaagtcctt ttacttggat ctgcctgctg     360
gcaagaatct ccagtttttg acggnngcca ttcagcaact ggggtggggtta attgagggtt     420
ttctgagcaa aga                                     433

```

<210> 2509

<211> 425

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(425)

<223> n = A,T,C or G

<400> 2509

```

tagatatgca tgcttgagga aacttgcttt tactgttttc ctacttgtat cccagttca      60
gttgaattta caaggacctt caagatggct atgtttgtct tggatatgtc taccccaatt     120
ttagtgtttc tttctttatt ttaaatacgt aattattcag ttgattgttt atactatata     180
atgaagtaac aaaaacattt tggtttgtat gttttaagta acagttgtgc aaattcctct     240
tgtttgttag gtgctccctt tgaatatttt gtgaactgtg tcacagggag aggggtggtg     300
gctaggaaga gggtcagaaa gaagctagag ggaggtcagg agaagggtaa caggagggat     360
gcaaaagcaga catctaccct ggtcacccca ggatcaggat atctgtcctt ggttcatggt     420
gaatn                                             425

```

<210> 2510

<211> 423

<212> DNA

<213> Homo sapien

<400> 2510

```

ttcaaggacc acatgtgttc tctatttttg ctttaaattt ttgtgaacca attttaaata      60

```

```

cattctcctt tttgccctgg attgttgaca tgagtggaat acttggtttc ttttcttact 120
tatcaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag 180
cctgacaaat attgttacca tgaagatagt tttcctcaat ggacttcaaa ttgcatctag 240
aattagtgga gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct 300
gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc 360
accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg 420
ggc 423

```

```

<210> 2511
<211> 421
<212> DNA
<213> Homo sapien

```

```

<400> 2511
cgcacgagag agagagagag agagttatth tgagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agagagagag agagagagag agagagagag agagagagag agagacacac cctctctctc 180
tcttcttcag tgagtgagtg agcagtggt gtgtctcccc cccctctctc ctctctgtgt 240
ctattgtctt tttctggcgc gtattgcttt atctctctct ctctctctct ctcacatata 300
tattcccccc cccctctctc ctctctcaca caaatttttt ctttttttgt tcgtgtgcct 360
ctctctctat aaaaccact ctctctctct tttctctctg cgtgtgtgcg cttctctctc 420
C 421

```

```

<210> 2512
<211> 422
<212> DNA
<213> Homo sapien

```

```

<400> 2512
ggcacgaggc caaatccttt gagctgttaa gatgataatt tcttgccttc ctctacatc 60
ttctctctcc actcctcct ttggtgtgaa tattggcttc ccaattaaga cttttttttt 120
ttttttccaa gttggtttta ccaaataaag ggttggggag aaccttgccc ttttggaat 180
tttaaaaaaa ttttttacc tttcttaaaa taagtttctg gtttttccaa gggtttaatg 240
gaaaatgggg aacaaaagaa aaaatttgga gcgattttc tttttccctg gtaagggggg 300
gagattttcc caaacggag gggccccccc ctggtttgga acctggaacc acatccccgg 360
ggggtgggaa aggaatttc ccaccggga agccttgctc tttggttccc agggccttgg 420
gg 422

```

```

<210> 2513
<211> 422
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

```

```

<400> 2513
ggcacgaggc agccggacca ggagttgggt tcgtctctcc ccgagcctcc ctttctcaaa 60
tcccgcaggg tcttcgcgag gatccggggc gctccccgcg gacctgcctc gcccggggct 120

```

```

tgggctcggc ctgcctctgc ggggacttct gtatgcaccc cgtgcagtgt ccccgacagg 180
cgaccccgcg cgcccgcgct ctaggggggt gggacggagg acagctagcc tgaagtctgc 240
tcccagccgt gcactggccg cgaattcggc gctgagagcg ggagagggag agaaaaacac 300
tttgtatttt ccaggttgcc tttgcaggcg cccgcatttc taacctgttc ttcctcttgg 360
tggaaggcaa agtccaggga gaggctgtcc ctatgcggng cgctggtggn gctgagggac 420
at 422

```

```

<210> 2514
<211> 422
<212> DNA
<213> Homo sapien

```

```

<400> 2514
cgttgctgtc gaagtatttt accttgactt accttctgtc accatatctg aaaaacttca 60
aaaggacatt aaggatctgg gagggcgagt tgaagaattt ctcagcaaag atatcagtta 120
tcttatttca aataagaagg aagctaaatt tgcacaaacc ttgggtcgaa tttctcctgt 180
accaagtcca gaatctgcat atactgcaga aaccacttca cctcatccca gccatgatgg 240
aagttcattt aagtcaccag acacagtgtg ttttaagcaga ggaaaattat tagttgaaaa 300
agctatcaag gaccatgatt ttattccttc aaatagtata ttatcaaatg ccttgtcatg 360
gggagtaaaa attcttcata ttgatgacat tagatactac attgaacaaa agaaaaaaga 420
gt 422

```

```

<210> 2515
<211> 166
<212> DNA
<213> Homo sapien

```

```

<400> 2515
tgtttgggtc gcactcttac ccatgatgcc agttgccttc attatattaa ctgagtttta 60
aatttgccgg ggggaagcta ttttacctta tgcagggaac ttaacaaggc ctaatattaa 120
cctttatttt atttttaggg agttactttt ggctgcagga cctcgg 166

```

```

<210> 2516
<211> 415
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(415)
<223> n = A,T,C or G

```

```

<400> 2516
ggcacgagga gagagagaga actagtctcg agagcagnnn nntttttttt tttttttttt 60
ttggggtttt ggggtttggc caataaaaaa actttttttt ttacaacaat ttacccccc 120
ccttttaccc ccttttttcc ccccgggggt aaaaggggga aaactccttg gggttttccc 180
ccccctttt aaaaaaggaa acccccctt tttaaaccgt gtttttttcc cccctccga 240
ggagggggaa ttttactcca aaaaccctt ttttttaaaa aaaaaaaccc ctgggggaat 300
ttttttttt ccgggtttta aagaccccc aaaaaaaaaa aagggttttc cccacattt 360
tgtggcgggg aaaaaaaccc ccccctttt tttttcccc cctcaaaagg ggccc 415

```

<210> 2517
 <211> 416
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = A,T,C or G

```
<400> 2517
cgttgctgtc gaagaatagg agagaataga ttatgctcct ttaaacctga gagagggttg      60
ctctccttaa atagtgatat agagccttaa atgcattttt gttgttggtg ttgatcactt      120
acagaaatag ccagaggtaa tggatttcct cttaccaaata tgaaggatta gctctgtaga      180
aatgttgaat tttaaagtgt ttccttgtag ctgatagaat tgcatagtgt tcctgcatct      240
tatatgagag gcagtttaag gtgcttcacg aactgtggat ggaatcctca aagtccagtc      300
tctgattggc tgccaggggc ctaaacaggt tgaatatttt aatcaactat acaggagtca      360
accatcccaa gagttaaaga attgcataga tccttttagt taagggaata aaaatn      416
```

<210> 2518
 <211> 413
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(413)
 <223> n = A,T,C or G

```
<400> 2518
ccatcgattc gaattccggt gctgtcggcc tcatttgcta tcccagcacc tcttaaaact      60
ttgtagtctt ggaattcatg acagaggcaa atgactcctg cttaacttat gaagaaagtt      120
aaaacatgaa tcttgggagt ctacattttc ttatcaccag gagctggact gccatctcct      180
tataaatgcc taacacaggc cgggtctggt ggctcatgcc tgtaatccca gcactttgag      240
aggcctgagg tcggcggact gcctgaggtc aggaattcaa gaccagcctg gccaacatgg      300
caaaacccca tctctactaa aaataaaaaa attattagct gggcatggtg gtgtgtgcct      360
gtaatcccaa ctactcanga ggatgaggca ggagacctgc ttgaacctgg agg      413
```

<210> 2519
 <211> 416
 <212> DNA
 <213> Homo sapien

```
<400> 2519
ggcacgagat tttaatcagc tatgtcattt ctgctgctcg ttgtatactc ctggaagggtc      60
ttagagaaat cctgccaaaga aaatatcccc tggatgaatcc tcggggcact agtccacgcc      120
gcactgtcag caagtatctg ctgaaacaag tatttttgaa tcttttagct ttctgtagct      180
ccagtctttt taaagtactt cttttgacct tcaagtaaca acgagcactt gcttttaaat      240
tctgacagtc ttccaagcct ttttaacatt ttattccact aaataagctg tcgccgctca      300
ctgggacagg cagcacagtt gcttgaacgc ccggcttgaa attccacgaa atgtcacctc      360
ctctgtgaag ccttctacaa ggcagacttg tctatttcct acttaatttt actatg      416
```

<211> 413

<213> Homo sapien

cgtgtcgtgc	ggaagaattc	gcggccgcag	gagttttcca	gtcccagcta	cccgggaggc	60
tgcggcaaga	ggattgcttg	agcccaggag	ttcgagtcca	acctgggcaa	aagagtgaga	120
ccccatctct	aaaaccaaaa	aggtacctta	gaaggtcacc	tggttggcta	accttttaaa	180
ggcaggggcg	tgacacgtag	gacacattgg	gaatgtcttg	gctactacat	gtagccttct	240
gggatatatg	tgcccagagg	gagaagcact	gagcctgaag	aaactagatg	agtctcagaa	300
ccacagaccg	gccagaaatc	tctcccacca	ttatatcagc	gtgatacagg	tctacattca	360
tttctacaaa	caggaacaag	ttccttgcag	caataatatt	attttatgac	ttg	413

<211> 166

<213> Homo sapien

atatacccttg	tctcacttttc	cagaggtagc	agtcactaat	actggggtga	gtgattttac	60
tcaaaggaaa	tcacactatt	aagcagcttg	gttttgacat	gttatgttgg	ggtcactctt	120
tcatgtcaat	acatagatta	atctttttatt	tcaaatgtct	acataa		166

<211> 413

<213> Homo sapien

```
<221> misc_feature
```

$\langle 223 \rangle$ n = A, T, C or G

cttttgttac	ctaaataatg	agtaggatct	tgttttgttt	tatcaccagc	acacagattg	60
ctataaactg	ttactttgtg	aattacattt	ttatagaaga	tattttcagt	gtctttacct	120
gagggatgt	ctttagctat	gttttagggc	catacattta	ctctatcaa	tgatcttttc	180
tccatcccc	aggetgtgct	tattttctagt	gccttgctgt	cactcctgct	ctctacagag	240
ccagcctggc	ctgggcattg	taaacagctt	ttcctttttc	tcttactggt	ttctctacag	300
gcctttatat	ttcataccat	ctctgcctta	taagtggntt	agtgtcagt	tggtcttagt	360
aaccagagga	cacagaaagt	atcttttggg	aagtttagcc	acctgtgctt	tct	413

<211> 416

<213> Homo sapien

```
<221> misc_feature
```

<222> (1)...(416)

<223> n = A,T,C or G

<400> 2523

ctgggggtgaa	tgcacgtcag	tggaggcaga	atcattctgt	ctgaatgaat	ggagtttcca	60
ggccccact	ggccctctgt	gtgagggct	gcagggttg	gcaggacagg	tctttctctc	120
cggcgagagc	acccaccctg	accggctgct	ggatgagggc	accaaagctc	gctagggagg	180
gctctgtcct	tagggaggag	ctgcggaatc	cctgcagctg	tgcccccagg	ccctgccttg	240
cacacttcct	gcagccaggg	cgccccctgg	gaggtcaggg	caggccgggg	aggctgaggg	300
ccacctgcc	tagtgngcag	gtgcgggagc	cagggcgcca	gtggcctcgg	ggctgggtgg	360
ggcgccctgc	ctctgggtctc	tggagtagtc	angggctctg	cagatgctga	gagggc	416

<210> 2524

<211> 414

<212> DNA

<213> Homo sapien

<400> 2524

aaaagtaatc	tttatgcctc	agcctcccat	gtagctgaga	ctaccacac	cttgggtccca	60
gctagttggg	aggctgaggt	gggaaaatca	ctttgcccag	gatataaacg	ccgcatggag	120
ctatgattgc	accactgcac	tccaggcaac	agagtgcagc	cctgtcttaa	aaaaagaagg	180
gagaaagtgt	caaagtgtga	tgaggtctgg	gggggaaata	gagaatgggg	atcacgagtg	240
tggatggtgg	tattccctca	ccaagatgtg	acatgtaagc	acgccgctgg	gaggagaggg	300
tgcgaccgc	gtggaatttc	cacaaccacc	ctccgtcgtg	aggccacacc	caatgcagag	360
gccgagaggg	gggcacccca	atcccccgga	actgggattg	tgaaggctag	gtcc	414

<210> 2525

<211> 413

<212> DNA

<213> Homo sapien

<400> 2525

ctgaccagct	ggacgccatg	ctggactgag	ccctccagca	gtgcccactg	tgacctgccg	60
aagtccactg	cctttgcccc	agcacagaag	aggcccctgc	caccctaggg	acgggccaaag	120
ggctggctcag	gctgaagtgc	ccctcctagc	aggggccctt	cccactcagc	ccgcggctgt	180
gggcaccaca	gctcttgtgg	ggcagcccac	cttagaacct	gactagcgag	ggacctccgc	240
tgcattctcag	caaagccccct	cccagggttt	gatcgattga	gcaggacagc	cctgctcctg	300
gacagggacc	ctggttaagag	ctctctcctc	agggaggaag	taggggtggg	ggctttgggg	360
tgctttctct	gtacccccca	gcccatgtcc	caagttgtgc	caagggaatg	cct	413

<210> 2526

<211> 416

<212> DNA

<213> Homo sapien

<400> 2526

cgttgctgtc	ggttaagtgc	attcttttgg	tggctcgatg	ttaccctcat	attttcagca	60
ctaatttttag	ggatacagtt	gatatattag	ttggatggca	tagagatcat	actcagaaac	120
cttcgctcac	gcagcaggta	tctgggtggg	tgcagagttt	ggagccattt	tgggtagctg	180
atcttgcat	tcctacgact	cttcttggtc	agtttctaga	agacatggaa	gcatatgctg	240
aggacctcag	ccatgtggcc	tctggggaat	cagtgatga	agacgtccct	cctccatcag	300

tgatcatcacc aaagctggct gcgcttctcc gggatatttag tactgtgctg aggagcattg 360
gggaacgctt cagcccaatt cgggtcctcc aattactgag gcatacgtaa cagttg 416

<210> 2527

<211> 408

<212> DNA

<213> Homo sapien

<400> 2527

ggcacgaggc gagaggccgc ttgcatgacc ctgacatcgg cagcgggagc ggcggccaga 60
ctctcttggga agtttaggat atttcacagt tctgaatgtt agccactgaa aatgccagta 120
gatgatgaag cctctgaaga tgacacggat tcatTTTTCT caaacagccc aagaaccttt 180
attttccaat aagagaatat aacaatttct gtacactatg gaagagtttg acttggtgaa 240
aaccttacac aaaacttcat cttctgtagg atctgatgaa aattctcttc attctcttgg 300
actgaactta aatactgata ggtaagaatg ggatttaaaa aaaatgtacc aaatcagaat 360
aaccttattt gcatacgttt atcaacttat ccaaatagtg tcgtagtg 408

<210> 2528

<211> 409

<212> DNA

<213> Homo sapien

<400> 2528

ggcacgagat tctgtggtgt cctagaagca ttattggtag gttctaaagt tttctagact 60
ttcctgtcaa ttgtaagtaa ttgtgatata ttctatgcag tggatgaatg ttctttaaat 120
ttgtgtaaat acttctgcaa aggtactgat gctgtaaagt caaacagtt ttgtggaact 180
gtgaattttt tttctttttt cttttttttt tccttttttt tttggaataa acccccttga 240
aaaaccaatt ttgctgcctg aaaaagaagg gaaaaaaaaa cccagtgct ttttttaaaa 300
aaaaaccttt tggaagggat ttttggtttt tccttaacat gaacccctt gaaacgtttg 360
gcggggccaac ctcaaagctg ggacaaaatt tttttttttt ggaaatgga 409

<210> 2529

<211> 408

<212> DNA

<213> Homo sapien

<400> 2529

ggcacgagaa caatatgagg tacagaaaga aatgacaat ttgataactc ccattacaaa 60
gaaaagaatt actgagttca taggctgcc aacacgtgt taggaacagg gtagagctgt 120
gaggcacctt tattgctgag gaaatggaag agttgaatag gatttaggga tgaggatact 180
gtggagaatg ggatcaccca agggagttga gttgattgga tttgagggtc tgggagaagg 240
tcaaggatta ctccagtttc cttctagagc ctctgggtgc aggtaggggc agtcatgttg 300
ctattggagt gtgacagaag agagaatgtg aggtttagtt gtggcacaga ggagaacctg 360
tggagtggag ttgtgtctac ccgtctaggc ttcaggagac cgaagact 408

<210> 2530

<211> 165

<212> DNA

<213> Homo sapien

<400> 2530


```
ctcccttggc gatctgcagg aacactagta atgactggaa ttactccgtg atctttgatg      60
actattacac ataacagcac tctagcacct tttcttactg gcatggactt cctcatggac      120
tgctacttca tggatgatag cttcattgct ttgggtaggg attta                        165
```

<210> 2531

<211> 409

<212> DNA

<213> Homo sapien

<400> 2531

```
ggcacgagaa agaatagaga gaaagggagc cgctgtgctg gtgggggtaca ctgcagagga      60
gtaagtcttg tgtcaaagca ggaatctgat cagaggttca gaattggaag tacaatttca      120
ttgcttttgc aatttctaca aattaatttt aaagtgtcag aaaaagggtga cggcaaggac      180
atgcattgca atttgcaggg ggaattgtca agtgaggact tcatcacata tgacacgaga      240
gaaaagtaag agctggttct aaaatcaaaa gctgtttgttc atcctgaatt gaattttctg      300
aatttgggtg gagcagagtc gctttgaagc cttgggtccga tctaattcta ttgtattggt      360
gatgataagt gttgacattg ggtagtgtaa agcaacaagc atgtcttgt                      409
```

<210> 2532

<211> 409

<212> DNA

<213> Homo sapien

<400> 2532

```
ggcacgaggt ttctcaagga ccttgaggac cccagaagcc cttgcagcag gaaaggctgt      60
aagggggggg cagcctaggg caggacctag ggaggggaac tttcttgata catatttgcc      120
ttttcatccc atctagcaag cacagtgtta attttagaaa ttatagaaga aaaaatcagc      180
aaggagtgtg ggaaaactgc atgcccagc cctccccgcg cccaggggtga attggaagcc      240
ctggaatggg ccgagggaca ccaggcagct gatctgggtg catgtgggac acagaccact      300
ctcacaaggt taaatcttta acaagagcct catgtttgtt aggagaaggt gggacccag      360
cccaagcact tccccattgc agcctggcat gaaatctttg ccttttagt                      409
```

<210> 2533

<211> 412

<212> DNA

<213> Homo sapien

<400> 2533

```
ttttcggcac gaggagagag agagagtgag agagtgagat atgagagaga gagagagaga      60
gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga      120
gagagagaga gagagagaga gagagagaga gagagcgcgc cccccccccc tctatacacc      180
cacacgcgcg cgcccccccc tatctctctc ttctctctca ctgcgcgcgac ttttgtgttt      240
ctttcgcgcg cgctctctct ccccccccc cccctcactc tcgccccccc ccccccttc      300
ctttgcgcgc ccccccccat atatctctct ccccccccc cctctctctt tctgtgtgtg      360
tgtgagagag ggatattttt ttttgttccc cccccccacc ctctgtttctt tt                      412
```

<210> 2534

<211> 411

<212> DNA

<213> Homo sapien

```

<400> 2534
cggttgctgtc ggcgctgtgt ctgcctggg gtaggggtgt gtcctgtcag ccgtgggggc 60
tgctcttcct ggtgggtggag gccaggtccc agtccttccc cacacttgta gaaacatgca 120
ttctctggta gggcctgcaa acctgcccta ccaaacctga aagagggtcg gctcatctcg 180
gaacccgctg cgtgccaagc caggcacgag gaggtggcag gcaccccgac ccccggtggg 240
cctgtgttct agagtgcaga gacagaactg gctgggaggt gcggggcatt ggattgtacc 300
agtgtctggg aggagagcaa agcaggggaa ggtctcggca gcgccgaggt gtggccgaga 360
gggttgctgt ctgcaccatg ctgggatgca gaatggaggg ctgtgccgcc c 411

```

<210> 2535

<211> 406

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(406)

<223> n = A,T,C or G

```

<400> 2535
ggcacgagcc tacaaaagttt gtatagcaag cctctttctc cctttgtgtg gtgcctcctg 60
accgaggttc tatgtctttg acattctacc tccagtattg cctttgtact tcagagatct 120
cttctgtttg tagagaaatg gctgcaaagt gaacataggg agttctttgt tgttggtatt 180
aaagatatgt atatttcctg taaacagcta agtctgttta gatcctagga catggcattt 240
atatagcaga atattattta aaatattttc atctcgtgac ccattagcca ccaagtatgc 300
ttccttaggt aatttttaca tagtagtacc atgcccgct ggatagagtt gccttgaaga 360
agtgatattt acaataaaac aaaattttac aatatttaca atanag 406

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<210> 2536

<211> 404

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(404)

<223> n = A,T,C or G

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<400> 2536
cgttgctgtc ggaagaattc gccgccgcat gagannnnnn tttttttttt tttttttttt 60
ttgggggttt tttttaacca aaagggcctt ccccggtttt tttttaaacg gggtttgggg 120
gtttaccccc agcccccttt tttttgggaa aaaaaaaccc ctccctcttt ttaaaaaaaa 180
cccttttctt tttttttttt tttaaaaaaa aaaaaagggg ggggggggaa aaaaaaaaaa 240
aagggggggg cccccccccc cccccctttt ttttaggggg gggcttttgt ttttttaaaa 300
aagttttttc ccgggggggc cttttttatt tcccccttta aaaccccat tgggggggga 360
acggccccgc ccccaaacag aggggggaaa aatttttttt tttc 404

```

<210> 2537

<211> 403

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(403)
 <223> n = A,T,C or G

<400> 2537
 ggcacgaggg ggtggctttg atttcggcga tgagctccca gaaaggcaac gtggctcgtt 60
 ccagacctca gaagcaccag aatacgttta gcttcaaaaa tgacaagttc gataaaaagtg 120
 tgcagaccaa gaaaattaat gcaaaacttc atgatggagt atgtcagcgc tgtaaagaag 180
 ttcttgagtg gcgtgtaaaa tacagcaa atcaaaacct aaaaagtgtg 240
 ttaaatgttt acaaaagaca gtgaaggatt cttatcacat aatgtgcagg ccatgtgcct 300
 gtgaacttga agtttgcgca aaatgtggaa agaaagaaga cattgttatt ccgttgaata 360
 aagaaacaga aaaaatagaa catactgaaa ataactaag ttn 403

<210> 2538
 <211> 403
 <212> DNA
 <213> Homo sapien

<400> 2538
 ggcacgaggg agaattgtact gagccacccc cttctttttc tttttaccct ttttgggttc 60
 attttcactt aaattgctta cttccaagag gtagatgggt cagtgagctg agattgagcc 120
 attgcactcc agcctatgca gcacgagtga gactacgtct tacaaaaaaa aaaaaaaatc 180
 tcggccctta aaacctttat ggtgtgtttt aagttcaagc ggaagtggga aaagtccttt 240
 gttggttttg gaccaaccac acttaaatgc cggcgaaaaa accgcttttt tgggaaaatt 300
 ggggacccta tggttttatt taaagccctt ataggcgaga aaaaacaggt tagcaacaaa 360
 agtgtggttc ttttaattgtt ccaggttagg gggaaggggg ggc 403

<210> 2539
 <211> 406
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

<400> 2539
 ggcacgagaa ctagtctncc cagcaaccgt tccgtgtttt ctttttcttc ttttaaaaaa 60
 aaaaaaaaaa gaagttttta ttttttaggc cccaatgggg gccggggagg tggccaaaac 120
 cggggccccc agaaaaaccc gagaaaattt ttgtgttaaa aaacacaaga ttttggcccc 180
 cccccagggt ttttgggggt ttggccaaaa cctcccttcc tttggggggg cccttcccc 240
 cccccggggt tttacccccc aaaaaaaaaa tggggggggg gaggggaactt tccctttttt 300
 ccccccgcg gggggttttt aaaaaaagat atgggggggg ggccccctcc tcctacccca 360
 ggaaaacctt tggggggccc ccttaaaacc aggaggggtc agagcc 406

<210> 2540
 <211> 405
 <212> DNA

<213> Homo sapien

<400> 2540

ggcacgagca	aaaatacaaa	aattagccag	gcgtggtggt	gcacgtctgt	aatcccagct	60
gctcgggagg	ctgaggcagg	agaatcactt	gaaccaggga	ggtggagggt	gcagtgagcc	120
aagattgcac	cactgcactc	cagcctgggc	gacagagtga	gactccatct	tggggggaaa	180
aaagtatata	tatatacaca	cacacagaca	cacacacaca	cacatatatc	tctaaatgtg	240
tgtatagaac	cttttatcag	tataacattg	atttataatt	aaatgtgggt	gaggaagaat	300
gtgtggagtg	tttcagaaat	tttgatccta	aaagcctttt	cagaaactca	aagctttcag	360
aaattaatag	ttatattaat	agccttctaa	acagcattaa	gtttt		405

<210> 2541

<211> 403

<212> DNA

<213> Homo sapien

<400> 2541

ggcacgagct	atctttatatt	tgggcacact	atagcttttg	ttaattatatt	ctttgcactt	60
gttagaatct	gtttttgaaa	aaaaaaaaaa	aaaccttttg	ctttgatctg	gggggactcc	120
cccttccttaa	aaaaccaatt	ttaaaggata	ttaggatgga	ctttcaaacc	caatatcttg	180
aaaggcgatt	tttaaaaaat	tttagctcct	gcctcccaaa	ttaggttaac	ttggaccaga	240
aaataggcgg	agagcccca	aatagagggt	aacttaccta	tttaaacgtg	atctttcgac	300
tttaaaaaaa	aatgaaggcc	ccgtcaaaagc	ttccttagag	ggcgcttatg	aacaaaaaaa	360
aaccttagga	tgtccaaatc	tattcctgag	aactttctaa	gat		403

<210> 2542

<211> 407

<212> DNA

<213> Homo sapien

<400> 2542

ggcacgagat	gtgatgatag	taactctgaa	gcttatgtct	gtagcttttg	cagtgttcac	60
aggttggaga	cttaaacttt	tttaagtaac	atagttcagt	tgtttttttt	tttgaaaaaa	120
acccttgga	gttgggaagg	cttttcccaa	gggccaaaagg	ggagtggaag	tccaaccggc	180
cttggttaat	aaccattact	tttccccag	ggaaggacca	aacggattct	tttttctcct	240
cctcaagcct	cccaaacaaa	aggtaaacca	gcctgggcct	attttaagtt	ggacctggcc	300
aaaccaagga	tttttttaat	aaaaaattta	aaaggtccac	cattagaacc	cggataattt	360
ttaccccat	ttctttggcc	cttatttttt	aacctccca	agaagcg		407

<210> 2543

<211> 406

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(406)

<223> n = A,T,C or G

<400> 2543

ggnangagtt	ccgagccgcc	gtaagactgg	ttccggcggg	ctggtgagga	atggagccgg	60
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taggctgctg	cggcgagtg	cgcggctcct	ccgtagaccc	gcggagcacc	ttcgtgttga	120
gtaacctggc	ggaggtggtg	gagcgtgtgc	tcaccttcct	gcccgccaa	gcgttgctgc	180
gggtggcctg	aatgttcgca	tcttaccaca	tacagttcct	tacatggctg	attcagaaac	240
tttcattagt	ctggaagagt	gtcgtggcca	taagagagca	aggaaaagaa	ctagtatgga	300
aacagcactt	gcccttgaga	agctattccc	caaacaatgc	caagtccttg	ggattgtgac	360
cccaggaatt	gtagtgactc	caatgggatc	aggtagcaat	cgacct		406

<210> 2544

<211> 403

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(403)

<223> n = A,T,C or G

<400> 2544

nnctcggcac	gagaatccat	tcccaggggc	ctcccggctt	gtcccagccc	ctcttttgc	60
tctgaccacg	gaggctttct	cacagcccag	cctgcctgaa	gcaaaggagg	ctcccgtgtc	120
ctgggcagct	tctgtttccc	tctgctgcct	gggagctgag	gcacccgtgc	cagtggcaga	180
ggccacagcc	ccagccttag	gccagggcct	gggagggcag	gcaggcaaag	gggagaccag	240
agggctctgtg	ttctccagga	gaatgagggg	gttggtccca	gaattgggac	cggggccccg	300
ctggccagcc	ctgggccact	tcccgggtct	ccattgtgcg	tgggtggcgt	gttccaggcg	360
tggctggagc	tggcttcctg	gctgtgctgc	catgggcccc	tcc		403

<210> 2545

<211> 403

<212> DNA

<213> Homo sapien

<400> 2545

cgttgctgtc	gaagacctgc	ctcccatcct	ggcagcccag	cctgagaccg	ttgcattgag	60
gcaggcagga	gcggcagggg	ggctgtcttc	caggagccca	cctgccttga	gttcctgccc	120
cactgggccc	cctcccctgc	tgggcaatcc	tgggaagggt	tggaggttcc	tgtggacctc	180
agggaaagcca	ggggcagctg	tcaggcctga	ggaagacctg	tggagctcct	ctccagcctc	240
ctctttccct	cccctctggg	ctccattctc	ttcagctccc	tacatgggct	ggggaggaga	300
cacctgggtg	gcagagctca	ggcagaggtt	tggatttcag	ctccctcact	tccggggctg	360
tgtggccttg	gcagatgtca	gacttctggt	cttgctttct	cac		403

<210> 2546

<211> 404

<212> DNA

<213> Homo sapien

<400> 2546

ggcacgaggc	caagaggact	cagactgtgg	aacttcgctg	ccccccaccc	tcaccaaggt	60
taaatgcctc	cctctcggtt	catcctgaga	aagatgagtt	aatccttttt	ggaggtgaat	120
atttcaacgg	ccaaaaaact	ttttgtata	acgagctcta	tgtctacaat	accagaaagg	180
acacctggac	caaagttgac	ataccagctc	cacctccgag	gcgctgtgct	caccacgcgg	240
gggtagtgcc	tcaaggtggc	ggacagctgt	gggtctttgg	aggggagttt	gcctctccca	300

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acggagagca gatctaccac tacaaggatc tctgggtcct gcatttgGCC accaagacct 360
gggaacaagt caactggcca tgtccacgac caaatctgcc tttta 404
```

<210> 2547

<211> 402

<212> DNA

<213> Homo sapien

<400> 2547

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ggcacgagat aattcagtgG catctcatgt agatgtacca ctttcttatt gcaactcaga 60
gtgcaattgt gatgaaagtc agtgggaacc agtctgtggg aacaatggaa taacttacct 120
gtcaccttgt ctagcaggat gcaaatcctc aagtgggtatt aaaaagcata cagtgtttta 180
taactgtagt tgtgtggaag taactggtct ccagaacaga aattactcag cgcacttggtg 240
tgaatgccca agagataata cttgtacaag gaaatttttc atctatgttg caattcaagt 300
cataaactct ttgttctctg caacaggagg taccacatctt atcttgttga ctgtgaagat 360
tgctcaacct gaattgaaag cacttgcaat gggtttccag tc 402
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<210> 2548

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 2548

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cgttgctgtc ggtgtggggg tggagtggct cttgcccacg cctctcacct ctgccttcat 60
ttgtgctgcc accctgcccc tccctcgctc tctctccccg ctctctctc tctgtgtgcc 120
tcagtctcct gccggaagaa atgggttgag cccgaaagga ggctgtctga ggaagggaga 180
gggagggcct ggggtgttnn tnnnnntntt tnntttnta cttttctttt ttttcttcc 240
ttcccttatt tcttctctt tcttttccac tctctccctt ctcttactt ctatctcccc 300
ctgtttcttc ttgcccttct taatttacct ttcattccct ctttttccac ttcaactcac 360
ataattaatt ttctctttcc ataactttaa cccatgtat 399
```

<210> 2549

<211> 398

<212> DNA

<213> Homo sapien

<400> 2549

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cgttgctgtc ggccatgttg cccagactgg ttttgaactc ctggcctcag gtgatctgcc 60
caccttgccc tcccaaagtG ctgggattac aggtgtgagc caccgcacct ggccagaccg 120
cttcacttgt aaaagaaatt aggctaataa gaaggtgtag tttttgagaa atgaaattta 180
actttagcct tttcactagt aaatagtcac atctcatttt ctccctttgt aaaatggggg 240
tactactggc cctacctcat attctatgag aatgagtttg tagctgttcc aaatcatgaa 300
gtgcatagta tcacatgtga tagaatattt ataacttttt attagatgct taatgttcaa 360
ttaagtaatt ttgatgtgaa aaataaaaag aataaaaag 398
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<210> 2550

<211> 401
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(401)
 <223> n = A,T,C or G

<400> 2550
 ggcacgaggt actgcttcct ccaaccaggt ggagaatcct ggcaagcact acctcagcca 60
 gagatttaat gttgatagta aatgcatgta gaaatggatc catctggaaa catagagata 120
 ggaaaacatg attctttttac tttttttttt tttttttaag ggaaggggct aattttgtca 180
 ccagggctgg agggcagggg catgatctaa gtcacatggaa agggcccttt cctaggctaa 240
 aagggccctt ccacctaaag ctcttgaaaa gtaagggata aatggaaagg ttttttttta 300
 ttggatcttc ttattggggc acggggggacc ctgaaaaaaa ttttcggggc gggctggggg 360
 gttaacacct ggggccccac cacttggggg ggctggggcg n 401

<210> 2551
 <211> 395
 <212> DNA
 <213> Homo sapien

<400> 2551
 ggcacgagga ggcacgtgtg atagtgtgtt tcgggctcct cccacgaaac tcggctctgc 60
 acagtgagac ctcatcttcct ggttctgttt gatgagttag cgaatgcaca tggcaggcgg 120
 tcatgtccct tgggcctgtg aggtgaggaa gggtccttga gccctgtggg gatagagact 180
 ctccaccat tctgacatga tccgagttag caggcagcac tgtccagatg gaaatgggga 240
 tgggagacag accatctctc tcagcgggtc cagccatgag ccagcagact gtttccatt 300
 ggccccatc tttcagagtg ggatgatctt tctaacaaag aaaccacac aggaatttgg 360
 cgtgtgtgtg catgtgtgta ttacctttga ggatg 395

<210> 2552
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 2552
 gagtgataga acataccaac gttaccaaga aatttacaag ctgctggcct taagcttatg 60
 caagtggtag ttgggaaagt aggaggtgtg gaagagggtt tgcatttttg attaatcat 120
 gcaaaatgaa ggaggaagcc tgggtctaaga agatactgtc tttcaataga aatgatttct 180
 aaactgctac agattaagaa tagataatct gattgctgtt gttttgtttg tttggaaaga 240
 aaaaaaatgt ctggcttctt ctactatttg ttttactac caaactgtgt tactaaattt 300
 cttgtcatcc ttgtatgtaa aatgggtgct gggggtggag ggggtataaga ggaggagag 360
 tcatagagag tgtgtatggc tttgatggca ctggtt 396

<210> 2553
 <211> 398
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 2553
 ggcacgaggg aggctacaga tgccccctgag caagtcgagg agattctgga tcacagtgag 60
 cagcaggcac gccctgctcg tgtaaattgga ggcaccgatg aggagaatgg tgaggagctg 120
 cagcagggtta ataattgagct tcaactgggc ctagacaagg aaagaaagtc tcaaggagct 180
 ggcagtggac aagatgaggc tgatgtagac cctcaaagac caccaaggcc agaagtaaaa 240
 attaccagtc cagaagaaaa tgaaaacaac caacaaaaca aggactatgc tgccgtggct 300
 tanaacattt ttaaaaaagag agtatatgga tcgcaagaaa aatgaagggt tatcatactt 360
 gaaagataag cacatagtta ttgctgaata taatgtgg 398

<210> 2554
 <211> 395
 <212> DNA
 <213> Homo sapien

<400> 2554
 ctcaagtttc ttgagttgct gcttggttaac acccagcttt taactgagtg tttgctcctg 60
 atgggttagg agattttcat gttgtatcac actgtcaagt tttattttgt ctttttatcc 120
 ctccgtggat gtgagtttga aacaagcacg gtacagtaat cctgcctgat agagttagtct 180
 ggaatgagaa ttactttttg ggtgagagag ttctccattt taatgtttct aaagttttct 240
 atatgaactt ggcattggaa aaggggaggta aagaaaaagg acgtttacta aaagcagtggt 300
 ctactcttcc cctttgtgag tgtttattca tggctaataa aaaaagagaa ggactcttgg 360
 gttttgtggt gccatgttaa gcatggagag ggatg 395

<210> 2555
 <211> 398
 <212> DNA
 <213> Homo sapien

<400> 2555
 ggcacgagcc aacccccgaa cccctgggtgt gtacgggtca ggcagacaca tgtggctggg 60
 cggctgggct ggggagggga cagccgccac ctacgggtta tatttccctc tccccctccc 120
 tccccgcaa gagctctgcc aggggcgggc aaaaaaaagt aaaaagaaaa gaaaaaaaaa 180
 aggaaccaac cccctcttac atattatgga aagaaaatat tttggccgat cctaattctt 240
 ttataattat gcggggaaaa agtaaaccac ttaaacgatt ccagttggaa acaaaaaaaaa 300
 aaccctttaa aactataggg ggccggtttc cgtaaaccac aactggataa aaaccttga 360
 ggagttgggc caacccccac cttaatggcg gggaaaaa 398

<210> 2556
 <211> 398
 <212> DNA
 <213> Homo sapien

<400> 2556
 ggcacgagcc accatgccca gccaatccat gaaatcttaa tggctcaact aaacaaacat 60
 ttagttctca ttcacactac atggccgtgg tgaggaagac cactctgctc catattgtca 120
 ctacagagatc tagacagatg gagtctttac tatcttatga tgttgctgtc tcaacacaca 180

gcttctagag	ttcctgtggt	gggataaggt	gtaaaaaact	taaactttct	cttaaagtct	240
ttggccctgg	ctagcatcag	tcctatgaat	cttcctcagt	gctagggagt	tgggatgtgc	300
agtcctccct	gatgcccaaa	cagaacaggc	aaaccagata	ttactgagtg	caagaaatcc	360
ctactatgtg	tactgaggaa	caggattcaa	gctgtatt			398

<210> 2557

<211> 401

<212> DNA

<213> Homo sapien

<400> 2557

cgttgctgtc	gggtattatc	ttttaagttg	tcagcaagtt	accaaggtat	tcattaaaga	60
acttgtaata	tcaaattact	at ttattcat	aacaattgat	ttgatgctaa	taataatttt	120
ctttaaactc	taccattcat	tatgtggtaa	ctgtattgaa	cttactttat	ttggatttta	180
ttttaatgtg	actagatgtc	accacttcaa	aaaatcaatt	tgttcttaga	acctggttga	240
aaataccagg	aaactgttac	agactccatt	tcaaaaaaaaa	aaaaaaaaaa	aaaaaacccc	300
ttggagcctg	gggggggggtc	caaaaaaaaaac	ccccattttg	ctgaaagggg	tttttttaaaa	360
acttttccca	cgggtttttt	ggggaaaagc	cacttaatta	a		401

<210> 2558

<211> 400

<212> DNA

<213> Homo sapien

<400> 2558

ggcacgagac	ctggccctct	gggaagtcta	ccagtggcaa	aaaggacaga	tgcagaagca	60
gaacggaggg	aaggccgtgg	acgagcggca	gctgttccac	ggcaccagcg	ccatttttgt	120
ggacgccatc	tgccagcaga	actttgactg	gcgggtctgt	ggtgttcatg	gcacttccta	180
cggcaagggg	agctactttg	cccagatgac	tgcattttcc	caccactaca	gcaaattccga	240
cacgcagacc	cacacgatgt	tcctggcccc	ggtgctggtg	ggcaggttcg	tcaggggcaa	300
tgcctccttt	gtccgtccgc	cggccaagga	gggctggagc	aacgccttct	atgatagctg	360
cgtgaacagt	gtgtccgacc	cctccatctt	tgtgatcttt			400

<210> 2559

<211> 400

<212> DNA

<213> Homo sapien

<400> 2559

cgttgctgtc	gataattttt	tattattttta	gggtagaatt	gacatcttta	taacaaatga	60
gtgtttattc	ccctttgttt	aagtaatctg	ttattttctgt	cagtaggttt	ttatgttttc	120
ttcatacagg	tcttatacag	ttctagtgtg	ttatatctac	agattttatc	ttttttgttg	180
ctgctagtaa	atgtaagtgg	gttccttttt	tttttacatt	gtatttcatt	ggccccccaa	240
caccctctcc	acatttgatt	gatagacttc	ttgatccctt	ttgattcctc	ttccctaccc	300
ccaagcaggg	atttgaatat	taattttttt	attgagatat	aattcacata	ccataaaatc	360
aatcctttta	aagtatgtaa	ttcagtaggt	tttaatatag			400

<210> 2560

<211> 396

<212> DNA

<213> Homo sapien

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<400> 2560
cgctgctgtc gatggcggcc tcctgggcgc tcttggttac cctgcgcccc ttagcacaga      60
gcccgcctgag agggagatgt gttgggtgcg gggcctgggc cgcgcgtctc gtcctctctgg    120
ccaccgcccc tgggaagccc ttttggaag cctatacggc tcagacatcc gagagcatga      180
ccccaactgc cacttcagag acttatttga aagctttggc cgattgccat ggacctctgg    240
accactatga ttttctgac aaagctcatg agctaaagga tgatgaacat caaagaagag      300
tcatacagtg tttgcagaaa ttacacgagg accttaaagg atacaatata gaggcagaag      360
gccttttttt acagcttttt tcaaggagca tacctg      396

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<210> 2561

<211> 397

<212> DNA

<213> Homo sapien

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<400> 2561
cgctgctgtc ggcgccttg gccttatgac ccaacttctc tcaccgccat ggagttcgac      60
ctgggagcag ccttggagcc cactcccag aagcccggtg tggggcgagg ccacggggga    120
gatcccaagc tcagtcccca caaagttcag ggccggtcgg aggcaggggc aggtccgggt    180
ccaaaggtaa gtcgcctcat caccggtcgc ggagaggcgg gaaggctggg gttgcccttg    240
accccagggt cctgccttag gcctccaact tcaggggggt gggtaagggg cgccgcctca    300
ctgccacacc ttcattccagc aaggacacca cagctcttcc gactccagca gcagctccag    360
cgattcggac acggatgtga aggtaagggg ctctcgc      397

```

<210> 2562

<211> 401

<212> DNA

<213> Homo sapien

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<400> 2562
ggcacgaggg acctcagtgg aaacacgccc ctcatattatg cctgctccgg tggccatcac      60
gagcttgctg cactgctgct acagcacggg gcctccatta acgcttctaa caataagggc    120
aacacagcgc tgcacgaggg tgtgattgaa aagcacgtct tcgtggtaga gctgcttctg    180
ctccacggag cgtcagttca ggtgctgaac aagcggcagc gcacggctgt agactgtgct    240
gaacagaatt caaaaataat ggaattgctt cagggtgtac caagctgtgt tgcttcatta    300
gatgatgtgg ctgaaactga ccgcaaggag tatgtcactg ttaagatcag gaaaaaatgg    360
aactcaaaac tgtatgatct accagatgag ccttttacia g      401

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<210> 2563

<211> 391

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(391)

<223> n = A,T,C or G

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<400> 2563
ggcacgaggt taatacaagt aaaaacttta agacagtaca tggcacatag taaatactgt      60
ttaaatatta actgcaatta ttattattat catcattatt gcagtctgag atatctggcc    120

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tgaatttatac	aagttaggaa	gctctgtcat	tgacacagaaa	taccttggtc	tcaggagagt	180
cactaaccga	agtgttctg	taaacaaggg	acataagcag	agaaggggta	tgtaagtaca	240
gaaaactcat	gattacctgg	ggaatagtta	aatagatttt	aggtattagn	tggttttttt	300
ttctctctc	tctctttggg	ggaatttttc	tgtttactga	gtcattcttc	attaaggggt	360
gaggtgtcaa	aaattagaca	aaacaaacta	g			391

<210> 2564

<211> 394

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (394)

<223> n = A,T,C or G

<400> 2564

cgttgtctgc	ggcaatggcg	tgatctctgc	tcaccgcaac	ctccgacctc	tggtttcaag	60
agattctcct	gcctccgcct	cccaagtagc	tggtgattaca	ggcatgcgcc	accacgcctg	120
gctaattttg	tatttttagt	agagatgggg	tttctccatg	ttggtcaggc	tggtctcaaa	180
ctcctaacct	caggtgatct	gcccacctcg	gcctcccaaa	gtgctgggat	tataggcgtg	240
agccaccgcg	ccggctgcct	taaatctatt	tatctgacgt	tcccaactag	gaaatttttt	300
gtccaaatga	gtatatgtga	ttttaaagta	gaaatcgaag	gtaaaatagg	atttatctca	360
gntcctatct	cccttcaatc	tattcttcat	attg			394

<210> 2565

<211> 393

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (393)

<223> n = A,T,C or G

<400> 2565

tacggctgcg	agaagacgac	agaaggggta	atcccagcac	tttgggaggc	cgaggcgggt	60
ggatcacctg	agatagggag	ttcgacacca	gcctgaccaa	catggagaaa	tctcgtctct	120
actaaaaata	cacaattatc	caggtgtagt	ggcgcatgcc	tataatccca	gctacttagg	180
aggctgaggc	aggagaatca	cttgaacctc	ggaggcagag	gttgacagta	gccgagattg	240
tgccattgca	ctccagcctg	ggcaacaaga	gcgaaaactc	atctcaaaaa	caaacaaaca	300
aaaaaattgc	aaaatgtagt	caccctgtta	tgtttcatga	ctctgaaagt	gttatgtgtt	360
tttttaacag	taaacagtca	cttcaatagt	ttn			393

<210> 2566

<211> 394

<212> DNA

<213> Homo sapien

<400> 2566

atccgttgct	gtcgattcag	aaactgattt	tactttttatt	gcagtacaaa	ttatattatt	60
------------	------------	------------	-------------	------------	------------	----

aagcaggggtt	cttgttcagc	catgaaatgc	agatgggctg	tttaatatgc	acatacatga	120
catttttttat	taatttttgt	ggtcattaca	atgagttgaa	tttaaaaagt	gggttaaatgc	180
tttataatat	tgtattttga	acaacaccac	tcttattcat	tttaaaaatg	cccactgtga	240
cagaaatatt	acaatttcat	gttttagtta	gcaaaaataag	caaaactggg	agaatttaag	300
gtggcatctt	atttactgct	ttccagtagg	attataatta	aaaatttact	gaatgaagtg	360
gtataatatt	gataaattaa	ctgattttct	ttct			394

<210> 2567

<211> 391

<212> DNA

<213> Homo sapien

<400> 2567

ctgaggtcac	ctcctggagt	gagggctctg	agtgaagccc	agcccgccag	ggatcatctgg	60
gcccacagac	cacaccccg	taccgggttg	caaggggtctc	ctgccgggag	tttccaacta	120
gtcactgggtg	tggtcttttc	tttcatgcag	cgagtctgac	agtgacctaa	agcctgtggg	180
ggcgggaatt	cagcatctcc	agaagctgtc	ccaagagcta	gatgaagcca	ttatggcgga	240
agagagtggg	gacatcgtct	ctctcattca	tgactgagga	agtgcctgca	ggaaacaagc	300
cctgtctgac	cgccaaggct	tcatactcaa	ggatgtctat	gcttccccgt	gagcttccctg	360
gaaaaaaccc	cggggagtcg	tcagtacccc	t			391

<210> 2568

<211> 392

<212> DNA

<213> Homo sapien

<400> 2568

ggcacgagcc	aacccccgaa	cccctggtgt	gtacgggtca	ggcagacaca	tgtggctggg	60
cggtctgggt	ggggagggga	cagccgccac	ctcaggggta	tatttccctc	tccccttccc	120
tccccgccaa	gagctctgcc	aggggcgggc	aaaaaaaaagt	aaaaagaaaa	gaaaaaaaaa	180
aagaaccaac	ccacctctac	atattatgga	aagaaaatat	tttggccgat	ccttattctt	240
ttataattat	gcggggaaaa	agtagacca	ttaaacgatt	ccagtgggaa	acaaaaaaaa	300
aaccctctaa	acctataggg	agccgtttta	cgtaaaccce	aactggataa	aatccttgga	360
ggagttgggc	caacccccac	ctaaaaggcg	gg			392

<210> 2569

<211> 393

<212> DNA

<213> Homo sapien

<400> 2569

ctcgggaggc	tgaggcggca	gaatcacttg	aatcatagag	gtggaggttg	cagtgaagctg	60
agatcgcgcc	actgcactcc	agcctgggca	acagagcaag	attctgtctc	aaaaaaaaaac	120
aaaacaaaac	aaccccccaa	aaaaacccaa	ttaacattct	ttcaccccg	atttcctaga	180
ctttattttta	gctataacaa	gcaaaacacc	tctttccatc	cttctaaaag	cgtgttcctg	240
aaacctcact	tggagagttt	tacggaaatg	cagcgacagg	actggaaata	atgacagcaa	300
agccaaacaa	gttgcaagca	aaataaaaga	acaaaccttg	aacgacaaag	ttttcccca	360
cgacctgacc	gtgtcgtctat	aaagacggga	ggg			393

<210> 2570

<211> 393

<212> DNA

<213> Homo sapien

<400> 2570

ggcacgagtc	tagatcacat	tttatatatg	ctgcatgcc	aaaaaaaaa	aaaaaaaacc	60
gccttttttg	ggggggggg	gaaaaaaaa	caaattttcc	cccttcctag	aaaagtcaaa	120
acaaggtttt	cctggaaacc	ttttcaagaa	aaagtaaacc	agggttggtt	ttgaaccttt	180
ggccattttt	tttttttaaa	aaaagcaaaa	ttccagcccc	aatccttttg	aagggttttg	240
aaacccccaa	acccccggag	aagccctcca	ttttggaagg	gggaatttgg	agaaaaacct	300
gtttttcccc	gaatttgccc	aaataaaggg	agggtttttt	caattcgggc	cctaaaaaca	360
agggccccc	tttgttctaa	cccataacaa	ttt			393

<210> 2571

<211> 391

<212> DNA

<213> Homo sapien

<400> 2571

ggcacgaggc	cagggtcagc	gcacgccaca	gggccagttt	tggctggaga	ggcctctgag	60
aatttgtgac	tgaagtccaa	gtctgtggca	tcagggtctg	cagagcccag	atgcgggaga	120
ggtaggaatg	tacctggtga	tatgaggcaa	ggacagggga	gctggggcag	gtgatgcagg	180
cagggtggcat	gaggagctgt	gctgggtggg	tgcggtctga	gtggctcatg	ttgggtaaag	240
ggccagagac	ctgggtctac	agggcagaca	tcaaggctga	gccagtcaga	cagtgtttgt	300
caacactggg	ctctcaccag	gtccctcag	gccgagtgga	gcagccaggg	atctgtcatg	360
tgtgagggaa	gtgtctgttc	aggttaggtg	g			391

<210> 2572

<211> 394

<212> DNA

<213> Homo sapien

<400> 2572

cgttgctgtc	gtaaaaacat	ctcttaaaat	aagaggagca	aaatctatta	aaacctattc	60
tcttgcaaag	gaggcagaga	ctttctctct	ctcttttttt	tttttggggg	ccctaaaaat	120
aaaccagggc	ccctcttttt	aaatattccg	ggtaccccaa	gcgggccagg	gggttttggg	180
gtttgccctt	tggggggcag	gcttaataaa	aacaaacctt	atttttggcc	ccccaaaaaa	240
ccccgcccta	aaaaaattgt	ttgagggggg	aaaggcccaa	aaaggcctgg	tggtttattc	300
tccatagacg	ggaaagccag	ccccttcccc	ttgtaaaaag	ggggagccaa	aatttcctga	360
cctcttgggg	gttaaaaaaa	ctcttacggt	gggg			394

<210> 2573

<211> 391

<212> DNA

<213> Homo sapien

<400> 2573

cgttgctgtc	gaatacctgc	ctccccatcct	ggcagcccag	cctgagaccg	ttgcattgag	60
gcaggcagga	gcggcagggg	ggctgctctc	caggagccca	cctgccttga	gttcctgccc	120
cactggggccc	cctccccctgc	tgggcaatcc	tgggaaggct	tggaggttcc	tgtggacctc	180
agggaagcca	ggggcagctg	tcaggcctga	ggaagacctg	tggagctcct	ctccagcctc	240
ctctttccct	cccctctggg	ctccattctc	ttcagctccc	tacatgggct	ggggaggaga	300

cacctgggtgg	gcagagctca	ggcagaggtt	tggatttcag	ctccctcact	tccggggctg	360
tgtggccttg	gcagatgtca	gacttctggt	g			391

<210> 2574

<211> 391

<212> DNA

<213> Homo sapien

<400> 2574

ctcaggccca	ttagtgatga	ctctgaaagc	attggtgaaa	gtgtttcaag	gagaaaagtt	60
aaatcagcag	agaaaataag	tacacaacgt	catgagggtta	ttcgaaccac	agcgtcttca	120
gaacttttcag	agaaaccagc	tgagtctgtc	acttctaaaa	agacaggacc	ccttagtgcc	180
cagccctctg	ttgaaaaaga	gaacttggca	atagaaagtc	aatcgaaaac	tcagaaaaaa	240
gggaagatat	ctcatgacaa	aaggaagaaa	tcaagaagta	aagccatagg	ctcagatact	300
tctgacattg	tgcacatttg	gtgtccagaa	ggaatgaaaa	ccagtgacat	caaggagttg	360
aatattgggt	tgcttgaatt	tgagaaaacc	g			391

<210> 2575

<211> 392

<212> DNA

<213> Homo sapien

<400> 2575

ggcacgaggg	gcggcggagc	cgggcgcgac	cgccgggtct	gtcccgagc	aggaggagta	60
ccgctggctg	ctgcacgacg	aggtgcacgc	tgtgttgaag	cagctgcagg	acatcctcaa	120
ggaggcctct	ctgcgcttca	ctctgccggg	ctccggcact	gagggggccc	ccaagcaaga	180
gaacttcatc	ctaggcagct	gtggcacaga	ccaggagaag	ggtgtgctga	ctctgcaggg	240
ggatgccctc	agccaggcgg	atgtgaacct	gaagatgcc	cggaacaacc	agctgctgca	300
cttcgccttc	cgggaggaca	agcagaggaa	gctgcagcag	atccaggatg	ccagaaacca	360
tgtgagccaa	gccatttacc	tgcttaccag	cg			392

<210> 2576

<211> 391

<212> DNA

<213> Homo sapien

<400> 2576

ggcacgagag	attttaaattc	ttagacttat	ggaataaatt	tttgttgga	catcataaac	60
gatcaatacc	aaaagacact	tggaatcttc	ttttagactt	cagtacgatg	attgcagatg	120
acatgtctaa	ttatgatgaa	gaaggagcat	ggcctgttct	tattgatgac	tttgtggaat	180
ttgcacgccc	tcaaattgct	gggacaaaaa	gtacaacagt	gtagcactaa	aggaaaccttc	240
tagaatgtac	atagtctgta	caataaatac	aacagaaaat	tgacacagtca	atttctgctg	300
gctggactga	actgaagatc	aatcctcaca	attcagactg	agggttgaga	caaaacttta	360
aggatacatc	ttggaccata	tcgtatttca	t			391

<210> 2577

<211> 392

<212> DNA

<213> Homo sapien

<400> 2577

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ggcacgaggg actaccgaga ttggagcatg aatctttacc acgactgcag tgccccctgga      60
ccccctggcct gtgggggtgcc ctacacctgc tgcacagga acacgacaga agttgtcaac      120
accatgtgtg gctacaaaac tatcgacaag gagcgtttca gtgtgcagga tgtcatctac      180
gtgcggggct gcaccaacgc cgagatcatc tggttcatgg acaactacac catcatggcg      240
ggcatcctcc tgggcatcct gcttccccag ttcctggggg tgctgctgac gctgctgtac      300
atcacccggg tggaggacat catcatggag cactctgtca ctgatgggct cctggggccc      360
ggagccaagc ccagcgtgga ggcggtaggc at                                     392

```

<210> 2578

<211> 392

<212> DNA

<213> Homo sapien

<400> 2578

```

ggcacgaggg ttgatatgtc agatctctct ccagaagagc aatggagggt cgagcacgca      60
cgcatgcatg ccaagcaccg tggccatgaa gctatgcatg ctgaaatggt cctcatcctc      120
atcgcaacct tgggtggtggc ccagctgctc ctgggtgcagt ggaagcagag gcacccacgc      180
tcctacaata tggtgaccct ctttcagatg tgggttggtc ccctctatct cacagtgaag      240
ctgcactggg ggagggttct agtgatctgg atcttggtct ctgctgtcac agcctttggt      300
accttccgag ccacccgaaa acctctagta cagacaaccc caagggttgg ttataagtgg      360
gtcctgctaa tctataaaat cagctatgcc ag                                     392

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<210> 2579

<211> 384

<212> DNA

<213> Homo sapien

<400> 2579

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gcacgagaca gtttatattg acctataacc aagaggcagg ttcattatgt ttaattgcat      60
taaaagataa aagaagtaga gaaattgaaa ggaaaaagag cccagagatt gttacctttt      120
tatcaagcaa cagcatgcca caaactttgc ataaataaaa aataataacc tgagcctttc      180
atcttgggaa tctaataaaa taaatgtgtg ctgttttccc cattagccct caccttagcc      240
agcccttaca ttgtggacag aggagtgatg tcattatttg tgagctagat gactggctca      300
gtagggtgccg tgtggttctt aagaagattg taggtcttgc cattgctctt tgtgtctctt      360
gctgtacagg tggaacatc tgtg                                     384

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<210> 2580

<211> 385

<212> DNA

<213> Homo sapien

<400> 2580

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gttgctgtcg ggtttggcct gtgggttttt aagtggttat tgaattggta tcaggagatc      60
ctgaggctgg taggggaagg tgattctttc taagttacct ctgtattttt caagttttct      120
ataaggaata cacatacacc cacatgcaca caccatagtt tttatacaaa cagcaataac      180
aaaacaaaaa agatgccccct tttttttag ggataagaaa tacatttggt ttatacttct      240
atgctatatt ttgctattca aaatttagtg ggcattactt aacattggtt ctaattattt      300
tgtggctgct gtatgtttta tgtgttggga gccattgta ttaggccgtt cttggattgc      360
tataaagaaa tacctgagac tgggt                                     385

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<210> 2581

<211> 388
 <212> DNA
 <213> Homo sapien

<400> 2581
 cgttgctgtc ggtgatctgg cagtacatat attcctagta aattcaatca ttcattcggt 60
 cattcatgca gcatgaattc atatttcccg agcttatggg atgcacaata ctaggaaaag 120
 ttcaaccatg agcaacattc cttacatctt aatggagggg aacagagctt aaacaaatga 180
 ctacagattt ggaaggaagc agtgctgtaa ggaaacctga agtagtgtaa agagagaaag 240
 cttagtggga aaggcccttt cttttcattt ggtgtcttgt tttctactct tgctcatgaa 300
 atgttctgag tagcttcaaa tatgttttaa attgaattgt gtagagtcca gtacctctga 360
 gaggtaactg agtgcagcta ttctaggg 388

<210> 2582
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 2582
 ggcacgagga tacaagtgtc tccttgctcat aacccaagag caaaagcagc cttcacttac 60
 tgtcccatga aacaaaaaatt ggatcttttc taagcaacag aacttttagat ggcaaagaca 120
 aagctggcct ttgtccagat gaagatgata tggaaggaga ttctttcttt gatgatccca 180
 ttcttaagcc agagaaaact tacggtttga ggaaggaacc taggaagcaa gcaggaagtc 240
 tggcctcgct ctcggatgca ccccccttaa aaagtggact cagctccctg gcgggagccc 300
 cttctttaaa agactctgag agtaaaaggg gaaatacagt tttgaaagat ctgaaattga 360
 tcagtataaa aattggatca cttg 384

<210> 2583
 <211> 156
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(156)
 <223> n = A,T,C or G

<400> 2583
 nnctctgatt tgagaaaagg gaggagggga agatagtctg aatggaaatc tgaaatacgg 60
 aatgttttag agaaatatgt cacttgcata tagaatgttt taattgaggt ataaaaaat 120
 gagacaaagt gaaaaagaaa ttatattcag ataggn 156

<210> 2584
 <211> 389
 <212> DNA
 <213> Homo sapien

<400> 2584
 cgttgctgtc ggaagccggg gccggggctg cggggcgagt tgctggccct gggccgggag 60
 ctggagtccc agactcatag gtcccggccc agccccgaa gagccgcctc agccgggggg 120
 agttgctcgg actcaaactg ccagtcctcg tgcgaccgcg ctgggtcggg agtgagcagg 180

ctgaggccac	catggagcag	tgtgctgctg	tggagagaga	gctggacaag	gtcctgcaga	240
agttcctgac	ctacgggcag	cactgtgagc	ggagcctgga	ggagctgctg	cactacgtgg	300
gccagctgctg	ggctgagctg	gccagcgcag	ccctccaggg	gacccctctc	tcagccaccc	360
tctctctggg	gatgtcacag	tgctgccgg				389

<210> 2585

<211> 386

<212> DNA

<213> Homo sapien

<400> 2585

cgttgctgct	gcttgtttca	aaattgcacc	tgggcatttt	aaagtaaata	ggatgcaa	60
ccttagttgg	cctcttggt	acattaactt	cagagtgaag	aatgaatatg	taagacagt	120
atgggggatg	gggagttgag	caaggaaaat	aatttgcata	atgggtgttg	ctccctggg	180
aaactgaaac	ccagcctgtg	tgggtggggc	cttgtttcca	aacgtcagcg	ctgctgcccc	240
cgaaggcctg	caccaacgca	cggtgccctc	cgggccgccc	acagaggccg	gcgtctggcc	300
aggagcaggg	gctggggaca	gcaagtgtga	aaccagctga	agcacctgca	gctcaagcgg	360
gctgcaggct	ccctgctctc	cccctg				386

<210> 2586

<211> 385

<212> DNA

<213> Homo sapien

<400> 2586

cgttgctgct	gctttccaaa	tactgctatt	ttcttcaagg	tgtttttttt	ttgacatcta	60
ctttggaagt	ttgattatat	cctgaaacct	aaaatcacat	ccttattgat	tctgagctctg	120
ctaaaagtta	tttcaactaa	tttgaatatt	atcgcaaaaa	gtttacttga	gaaaacaagt	180
tgaatttgaa	attttgactt	gctaaaatta	cattttttta	acggtagttt	tgaatgacat	240
tctaaaggta	atttagttgg	actttgtgtt	tatatggcca	atttggggaa	tggccctgta	300
tgttttttgt	aatgccataa	tgggagctgc	agtgttgtgc	aggtatcaaa	aagcttcccc	360
gttttcatgt	tagtaaactt	ggaag				385

<210> 2587

<211> 387

<212> DNA

<213> Homo sapien

<400> 2587

ggctcgagac	ctggcctctc	tgggaaggct	accagtggca	aaaaggacag	atgcaggggc	60
agagcggagg	gaaggccgtg	gacgagcggc	agctgttcca	cggcaccagc	gccatttttg	120
tggacgccat	ctgccagcag	aactttgact	ggcgggtctg	tggtgttcat	ggcacttctt	180
acggcaaggg	gagctacttt	gcccagagatg	ctgcatattc	ccaccactac	agcaaaccg	240
acacgcagac	ccacacgatg	ttcctggccc	gggtgctggg	gggcgagttc	gtcaggggca	300
atgcctcctt	tgtccgtccg	ccggccaagg	agggctggag	caacgccttc	tatgatagct	360
gcgtgaacag	tgtgtccgac	ccctcca				387

<210> 2588

<211> 384

<212> DNA

<213> Homo sapien

<400> 2588

ggcacgaggg	actccgaaa	cctgcgcatt	aaggaggtgg	agcatatgac	ccgtcacctg	60
gaggagagt	agaaggccat	gcaggagcgg	gtgcagaggc	tggaggcggc	gcggctgtcc	120
ctggaggagg	agctgagccg	agtgaagca	gcggcactca	gcgagcgtgg	ccaggctgag	180
gaggagctga	tcaaggccaa	gagccaggcc	cgcctggagg	agcaacagcg	cctggctcac	240
ctggaggaca	agctgagact	gctggcgcag	gcacgggacg	aggcgcaggg	cgcttgccca	300
cagcagaagc	aggtggtggc	cgaggcccag	acccgggtca	gccagctggg	cctgcaagtt	360
gagggcctgc	ggcggcgcct	ggaa				384

<210> 2589

<211> 389

<212> DNA

<213> Homo sapien

<400> 2589

ggcacgaggg	caagtgggtga	agatgagatg	ataacaatgg	ataatgcaga	agaatatgtg	60
gatttgatgt	ttgacttttg	tatgcatacg	ggtattcaga	aacaaatgga	agcctttaga	120
gatgggttta	ataaagtttt	tccaatggag	aaattaagtt	ccttcagcca	tgaagaagtc	180
caaagtattc	tttgtggaaa	ccagtcacca	tcctggggcag	cagaggatat	tatcaattac	240
actgaaccta	agctgggtta	tacacgtgac	agccctgggt	tcctgaggtt	tgtgaggggt	300
ttatgtggca	tgtcttctga	tgaaggaaa	gcattcttgc	agtttaccac	tggttggttca	360
actctacccc	caggtggact	ggctaacct				389

<210> 2590

<211> 379

<212> DNA

<213> Homo sapien

<400> 2590

ggcacgaggt	tcataccaac	atattattaag	acttattttt	cagtggtcct	caatcacaga	60
acaattaagc	aaccatatac	aatttaacat	acctgaatat	gagaaacaca	tttaaattca	120
ttgttggtg	aaacacattt	caaaatggaa	agacaaatat	tttattttact	gacctaaaac	180
aacactacct	atgaaattca	tgcactattg	ctttcagatt	acttacagga	ttatatcaat	240
ttaacatttc	tttgtgagat	taagcatttg	aatccatag	tcagagaact	attttaaata	300
tgagccacta	attaacaaaa	tatacatata	gcttctacat	ttccatcagg	ttatgtattt	360
tctagagact	acatgaccc					379

<210> 2591

<211> 379

<212> DNA

<213> Homo sapien

<400> 2591

cgttgctgtc	ggctagagt	aatgagcctc	aagaaaatga	cccaaggagt	tgactcagga	60
tggtttacag	actgatttag	aaaaccagaa	cggatttcat	ttctaattga	gggggccaga	120
gatgggaaaa	tttcttggtc	agtcggggga	aacacaccta	ggtgctggtg	atgggcttat	180
gaaggaagct	aagcacggct	gctcactggc	ccccactttg	tttcttggtg	aattcacagg	240
ggaattccca	gtactgtcat	ggagcagagc	aggcagtggt	tgctgatgtg	tgtgcatgag	300
ctgtatgtac	acatgcatat	atctgtttaca	gaagatactc	ctggcagtga	ggtgctaagt	360
catcactgag	gctgtgtgc					379

<210> 2592
 <211> 380
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

<400> 2592
 ggcacgagga gggcttgagc ccctcagccc agcggggggtc ccttttccatc ccttctctga 60
 cagattgctt tgtaaacctt cttaggcctt cccccccaccc ctttgcccca gtgctttaag 120
 cccttctttg tcttcttgct gtttctttta ttccctcacgc ctgcggggcg ggggcgggggt 180
 ggcgcccagg acgactcccc gggctcagct tggctgcctg cctccttctg taagtgcctt 240
 ttttttcttc acctgggacc ctctanaggt tggaaaagaga agagaggctg ggagcggatg 300
 gaaagcatga ctgcatctgg agcccctggg gggagtgggg aagagggagt ggaaggacag 360
 tggctgaggg gcttcctgtt 380

<210> 2593
 <211> 381
 <212> DNA
 <213> Homo sapien

<400> 2593
 cggttgctgac ggttttaaaag agatgagctg agaaagaaat gtggaatgga gtatatattga 60
 ggaggacaaa acataacttc acttttgaac agaaatcact ctagcttgcc agcatgggat 120
 gtaaaccaag agagtagaaa tatacccatc ttattttaag ttgggtttat ggcacgctc 180
 atatattgtaa aagcactaca aactctttaa agaaaattgg gaaactacag agaagtcaaa 240
 gaaaaaaaaa agtaacccat atttctattg cccaggcata atccttggtta aaattttggg 300
 ttggcctcct ctttttcccc caatatagtt gcaaataaat gatgtctttc agagttgaca 360
 ttaatcctgg agcttgaatg g 381

<210> 2594
 <211> 380
 <212> DNA
 <213> Homo sapien

<400> 2594
 ggcacgagcc aagactcctg tatgtaatgt agcagctacc tcagctgggc cctgtggtga 60
 aggaacagag ctgacatctg agcctcaaaa atccagccca ttgttaacta gaggaccaga 120
 atatcctccg cattctgaaa acattcagta ttttcaagat ccaaggactc agataccctt 180
 tgaagtccca cagtacccac agacaggata ctatccacca ccttctcctc tgttcagtgt 240
 aaactttctt ggggatttct cagagagtgt gagtggtaga aactttgaag aagatcatct 300
 ttcccattat tctccctggg cttggggcac catcggtcc tgtataaatg ccattgattc 360
 agagcccaaa gatgtcattg 380

<210> 2595
 <211> 382
 <212> DNA

<213> Homo sapien

<400> 2595

cgttgctgtc	gctgctgaac	tgttttttgt	gcttccctcta	agcttttctt	ttgggtacaa	60
agtttcttaa	tttttcattt	gagattttaat	ctctgcttaa	tttatttttt	taaaaatata	120
atgggtcaact	aaatgtttcc	ttatgaaagt	gaaattggga	aaagtcaaga	taaatcctag	180
aaactatttt	gttttaagca	aaatgagggc	ttaaaacttg	caacttcttt	tccatttgaa	240
at ttgggttg	ctgtgggtgct	ttgcaaactt	ttgggttgga	tttatcctgt	cattcataaa	300
ttatggcaca	tatgtctggag	ccaaatctgc	cattaataaa	attctcacat	aattccctac	360
at tcattttat	ttcactaatc	at				382

<210> 2596

<211> 379

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(379)

<223> n = A,T,C or G

<400> 2596

ctccttcaga	acccccacca	gtgttggaga	agcttcgggtc	cattaataac	tataacccca	60
aagattttga	ctggaatctg	aaacatggcc	gggttttcat	cattaagagc	tactctgagg	120
acgatattca	ccgttcatt	aagtataata	tttgggtgcag	cacagagcat	ggtaacaaga	180
gactggatgc	tgcttatcgt	tccatgaacg	ggaaaggccc	cgtttactta	cttttcagtg	240
tcaacggcag	tggacacttc	tgtggcgtgg	cagaaatgaa	atctgctgtg	gactacaaca	300
catgtgcagg	tgtgtgggtcc	caggacaaat	ggaagggtcg	ttttgatgtc	aggtggattt	360
ttgtgaagga	cgttcccan					379

<210> 2597

<211> 375

<212> DNA

<213> Homo sapien

<400> 2597

cgttgctgtc	gggtgggtgatc	tccttatcta	atggatgaat	gtcagttatc	tccagctttt	60
gcaattatag	cagtaaatgt	agcaaataca	aagccatatt	gggcttggtg	aaaatatctg	120
taagataaat	tccttgaaat	taaaatgatt	acgttctctt	ctgtggatct	tagctggcac	180
attccoctta	cacacatttt	ggcatccttg	ccttctttct	gcctctcatt	ttctgttcct	240
actacttaat	gccattttgc	ttccatcttc	tgtcactact	gcctctactt	ccacttaagc	300
tgcagaattg	aggggtgggccc	ttagacctgg	tatgtggagg	agagaatgat	taattatacc	360
tggttcatgc	tttag					375

<210> 2598

<211> 378

<212> DNA

<213> Homo sapien

<400> 2598

cgttgctgtc	gctggagtct	cttaaaattc	acacttgtac	cagagccagg	catcacagag	60
------------	------------	------------	------------	------------	------------	----

cacatactaa	cttttcagca	tctggattcc	ttatatatct	tttctctcac	catgaacagt	120
taagtgtagc	agttcaaagt	tccagctctg	gagggcagagt	cctgactctg	ttaggcaggt	180
tcttaatctc	aactataaaa	tgaagttaca	aacattgagt	gcctcatagg	gccagtgtta	240
agattaaatg	aaataaatat	aaaccatttg	gcatggttcc	tggagcgtgg	ttaaagtgctc	300
agtacgatga	tgtccctgag	atcagagatg	tgccttagat	atctttttga	ttcagtagca	360
tcacataacc	tcagagag					378

<210> 2599

<211> 374

<212> DNA

<213> Homo sapien

<400> 2599

cggtgctgtc	gcctagttag	tgttttaaca	tgaatgtcta	attcatggcc	aatcttattt	60
catctgtact	tcttccacat	ccccattctt	acaaaattat	ttttatttaa	aagaaacatt	120
tttaactttt	tattttttaa	atttgaaaat	taatgattaa	aaatgttact	tttataaaag	180
tgttaatat	cagtatttaa	aagataat	taaaaaataac	cacaatacaa	ttttcctaac	240
taaaaaat	taatgagttt	cttagcaa	atccaagcca	tttttgatt	tctctgatag	300
ttttataaat	ctgtatgtat	gtgttttagt	acttttttga	attaagattg	aaataagatt	360
cataaaatca	ctat					374

<210> 2600

<211> 375

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(375)

<223> n = A,T,C or G

<400> 2600

ggcacgaggg	gaggccccc	ggaggggtctc	aggcagcttt	gctgggagtg	tccacatcac	60
cctgaccccc	gtgaggcctg	acaggacccc	acgccagcc	agcccaggac	ccagcctccc	120
agccagggtc	ccctccccac	cccaccgcag	gagactggcc	gtccctgcca	gcctcgacgt	180
ttgtgacaac	tggcttcggc	cggagccccc	tggccaggaa	gcccagtgct	agagctggaa	240
ggaggaggag	aagaaacccc	accttcaggg	caaaccaggg	agacccttgt	ccccggccaa	300
tgtccctgct	ctgcctggcg	agacggngac	ctccccagtc	aggctgcacc	ccgactacct	360
ctccccggag	gagat					375

<210> 2601

<211> 377

<212> DNA

<213> Homo sapien

<400> 2601

ggcacgaggt	cctgctccgt	gtcattatca	agcgtaata	aagcactactg	gcaggcacca	60
gactacaggc	ccttgggaac	agccttctga	gccagcattt	attcacactg	cattaccgtg	120
tcctccatgt	caagtcccta	ttcctacgga	atgacttggg	aaacatgagg	tgagtccact	180
accatgccat	gctgcaggac	cctactcttg	tataagagtt	tgtggaagaa	tcttgcatg	240
tcagaatcac	acatgtatga	cagaatgcc	caaagtaact	catgctgatg	gctgcactgg	300

ataaaacaag gctgtgccag aatgccttca ttgtgaggaa gggagctcca agtcacggcc 360
actaggttgt cttcacc 377

<210> 2602

<211> 372

<212> DNA

<213> Homo sapien

<400> 2602

gtgggcatgg	tgggtgtaac	cgacctcaag	gtggccacct	ccttgcctgc	gctgctcttc	60
gccatcttca	tgggcctgcg	ggcctccaag	atgttcgggc	agcggcgcaa	cgcgcaggcg	120
ttggagctgg	cgcacatgct	gtactatcgc	agtacgtcca	acaactcgga	gctgctcagc	180
gccctggccc	tgcgcgcgca	ggacgagcac	accaaggagg	cgtgctggc	tcacagcttc	240
ctggcccggc	ggccaggggg	caactcaagg	tcgcccgaag	agacctccag	gtggctccgg	300
tcggaggtgg	agaactggct	cctagccaag	tcaggctgtg	aggtgacctt	caacgggaact	360
cgggccttgg	cg					372

<210> 2603

<211> 371

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (371)

<223> n = A,T,C or G

<400> 2603

ttcaattccg	tgctgcttac	atcttctatc	ctttatagga	ggccgagctg	cagggggggg	60
cctgtcttct	ggggggagag	ggcctcctca	ggagcggagg	cagctggaga	cccctggagg	120
aatcttgcag	ggctggggac	gtaagacagt	cccatggaac	aaataagatg	gaaacagctg	180
caacatatat	tttttccttt	tagagatcca	accttattcc	atctataata	aactgagaag	240
ttctatatca	aatataactg	cctgtaacat	tttaaattgc	ttcaatctga	gtttaacacc	300
cacctttcct	ttcatctctt	agcaaataat	cttaaagctg	tatctaacad	gcagtcagaa	360
aaattacaat	n					371

<210> 2604

<211> 353

<212> DNA

<213> Homo sapien

<400> 2604

tatctgctgc	gagaagacga	cagaagggtg	ggtgttacga	gattgggaga	cttttctcag	60
catatctaac	agaagagggt	atccgagggt	agagtgtgag	gcctgggcaa	gggttgggag	120
gcagttctaa	tactgaatgt	tctgactgtg	gtttactatg	tatttcaggt	tattttgttt	180
aatctatcca	gtaatccttt	catgtaacaa	ttatgatgtg	tgtgttttag	gtggggctac	240
taaggctagt	aagtagtgag	gctggattta	aacttaagtc	tccagcttcg	tggcccagggt	300
tctttatact	tgactccaca	ctgggcttat	taagtgaatg	acaaggagtt	tgg	353

<210> 2605

<211> 342

<212> DNA

<213> Homo sapien

<400> 2605

actacggctg	cgacaagacg	acagacgggc	tagctaacgg	tcgctccacc	catagaaacc	60
aaagtttttt	tggcgggtaca	gggaaattat	aggatgttac	tgtgcccccc	acccccatta	120
ttagctgctg	tatccgcagt	gacatgacca	tgtgtccctt	cttgatgggc	taagtaccag	180
cagatgcgat	catcagtgtc	aactcaagac	aatatctgaa	ggctgggggt	gctgcttttg	240
ttcacatttt	ttttttttta	ataggaaaaa	aacttggaag	cttgcagaaa	tcttcctgta	300
acattttatt	ggctggatta	taccacatgc	ttatttctat	ac		342

<210> 2606

<211> 335

<212> DNA

<213> Homo sapien

<400> 2606

tacggctgct	agaagacgac	agtagggctc	atgaggaaga	ggaggaaaag	agcattaccg	60
ctgtttgtca	catgaggatt	catttgcaga	tagtatgaaa	atggaggcaa	tttttccagt	120
ctcaagaatg	gtaaaaggca	caggtgggac	ttgaacccag	actcttggtc	tcaagtccag	180
agttttctca	tgcaccagct	acccctcaac	aggatttgac	tatcctgcag	taaccctaga	240
ggaagtttag	tccttgggac	gcttggcctg	ccagtctctg	aaaaaaatat	gatggggatg	300
gtggtggtgg	tagtgcacgt	tgggttgagg	ggaca			335

<210> 2607

<211> 331

<212> DNA

<213> Homo sapien

<400> 2607

ttacggctgc	gagaagacga	cagaggggat	gagccactgt	gcctgaccta	ggttatcatt	60
cttgagaaaa	gtttaaacat	gccatataaa	tcaaaatatt	gatgacatta	attaatagca	120
cttaattctg	actttgactt	tttttcaatc	ccattagtgt	actttcattt	cttacctaaa	180
atgtgtttag	tgggttaatag	aattctgaac	ctaatatatc	atcttattat	tttctgtctc	240
atgtgtaaca	ctagtctgac	tattttattc	tttttttttt	tttttttttt	tggaaaaaag	300
tttccacttt	tggccagggt	tgaacgccc	g			331

<210> 2608

<211> 457

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(457)

<223> n = A,T,C or G

<400> 2608

attgcgatat	gtcantcggn	nntcgtcgga	tcccatggac	gggaattctg	cacgagagtt	60
agcacagcca	acggaatttg	attgaaaatt	gaatttgatg	aaaatgatgg	gccaaagcaca	120
gtggcagatg	cctggagagc	cctcaagaat	cccagcattg	gggaaagcag	cattgaaggc	180

ctgactagt	tattgagcac	tagtggaagc	cctacagatg	gacttagtgt	tatgcaaggt	240
ccttacagcg	aaacggccag	ctttgcagcc	ctctcagggg	gcacgctgag	tggcggcatt	300
ctctccagtg	gcaagggaaa	atatagcagg	ttataagttc	aagccgatgt	ccaaaaggaa	360
attttcccca	aagacacagc	cagtcttggt	gcaattagtg	acaacgcaag	cactcgtgct	420
atggccgggt	ccataatcag	ttcctacaac	ccacagg			457

<210> 2609

<211> 429

<212> DNA

<213> Homo sapien

<400> 2609

ctggacattc	aggaggcaag	ccaatctttt	ttatttcctt	ataaaattaa	ctcttcaaaa	60
gccgttaaac	agagagttat	cttaattttt	attgcagtag	gaggaaatat	atttaaaata	120
tttgtagatt	tatagcaaat	agagactcgt	tatttaaaag	ttaaataaca	atttggtcct	180
ttgttgtttt	tgccagttta	gggcagaagc	tgcttttggt	ataaatatct	tcctaccaca	240
tcaaaaatgc	tgcttttaaa	atttttgttt	ataaattgag	aaggaatttt	ctctctataa	300
gattgctgca	ttgaacagat	caccattaaa	aagaatatta	gaatccagca	tgaagataat	360
ggctaataaa	aatgaggtag	atactctata	acaccattaa	tcagatttga	atgaggaatg	420
cttcccacc						429

<210> 2610

<211> 425

<212> DNA

<213> Homo sapien

<400> 2610

tgatcgacag	aaccacccga	gcttgctcgc	ttggtccttt	gcccgaagcg	gcctacggct	60
gcgagaagac	gacagaaggg	ctgtaatccc	agctacttgg	gaggctgagg	caagagaatc	120
acttgaaccc	gggagggcga	ggttgtagtg	agccaagaca	gcaccactgc	actccagctt	180
gggtaacaga	gagagactct	ctcaaaaaaa	gagcaacaac	aaCaACaaaa	aaaacCatag	240
ccatatggct	tgagtaagga	aagacagagt	tgctatttgt	tgagatgggg	atgacagtga	300
caagagcagg	cttgccggtg	tggaaagtgc	aatgtgaagt	gttcgatttt	ggatatactt	360
aatttgaaac	gtcattatac	aaccaagtgg	agatcttgca	tgtacactgg	agatacatgg	420
caaaa						425

<210> 2611

<211> 420

<212> DNA

<213> Homo sapien

<400> 2611

caggtagggg	ggccaccttg	agtgggtggc	ccagagactg	cctcagggct	ccaaggtaac	60
gggggtgctca	ggttatcttg	ggtgctgccc	tcccagggtc	tgggggagca	aaggctgggc	120
gctggcccaa	cttacaggaa	acactcacct	ttgaactgcc	attggcacca	tctgggcagt	180
acacagcccc	acccagggcc	tctagttcct	gttctcggct	tacaatcttt	gtgtttctgc	240
ctgagaagcc	actgcctcct	agtttggtgt	ctctacagat	atagccaggt	tggacttccg	300
gctccgtcct	ttgataactg	cgtgctcttg	ggcaaatttc	ttacttgca	ggttcttggt	360
aggataacat	gagttaattg	agggcactta	acactacctg	gcacagatta	agctcatctg	420

<210> 2612

<211> 419
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(419)
 <223> n = A,T,C or G

<400> 2612
 ggcacgagaa caagctgaca ttatgcactg agccagaagc ttctcagact tgcccagagt 60
 tacacagcaa gtccagggtg tggctgggaa ttcaactcaa ggctgttgga ctctgaagct 120
 tttgggtttt gttttttttc ctccactaca cagtactgca tgccatgtga gcaagatccc 180
 gacacagaat gaagtaacca gtatctttaa ggcaaacaag cagatcagta gaatctgatg 240
 atttcagggt caaagaaaag aataatttta atgcaatccc tcattaccac agccatggca 300
 ctggcctcat atgggtaagg agatttgggc aaccttttgc aggctgatga aattttggag 360
 cctaaattgt aaagtactg ggcctccctg ctgggtanaa ttcttttgga atttctgag 419

<210> 2613
 <211> 420
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(420)
 <223> n = A,T,C or G

<400> 2613
 ggcacgagga gagaactagt ctcgagacta gttctctcct cataaagccc tccggcttga 60
 ggagagagtg tatagtcatt gggtctgcct ctgtgccctt gctggccgct tctcctctgc 120
 cttcttttct ggaactcagg gtgtggggac tgagcctgta ggggacagca tgccgtcttg 180
 ctgtggccac tcccaagtgt gccctcttcc ctctttacac atcagggtgtc tctggcacag 240
 gacttggcac taagctccat gctgagacac caggctatgt gggccccccac cttgtttccc 300
 agcctgcacc ttagaagccg aagggtgctt catcagaacc ctaaaatggg cgttgaaggc 360
 gcctgggccg cagcccagnc agtattggag aggcaagcag agggcagtggt gtctcccaaa 420

<210> 2614
 <211> 414
 <212> DNA
 <213> Homo sapien

<400> 2614
 ggcacgagcc catctcctgt tctcacaatg tagcaaaaac ctctacagtc attgtcttca 60
 aaagtgcagt cattaacaat taaatcaaat agctctggta gtactgggtg aggggatatg 120
 cagccttcgt tacgtggttt acctaattggg cctactcatg ctttttagttc tccttcagaa 180
 tctccagatt ctacagttga ccggcagaag tcactactgt caaataattc cctgaaaagc 240
 tcaaaaaatt catctttgag aactacttca tctacagcaa cggctcaaac agtgccaatt 300
 gatagctttc ataacttgct atttacagaa caaattcagc agcattcatt gccacgcagt 360
 agaagtcgac agtcaattgt ttccccatct tccacaacac agtccttagg acag 414

<210> 2615
 <211> 414
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(414)
 <223> n = A,T,C or G

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<400> 2615
gacaacttga gaaacaaatg agaagcccaa ggaactgtga gcaattaaaa gcaaaccgcg      60
acaccgtgtg tctccaccac acatagtgtg ctttggaagc acaacgtcca ggctgggtacc    120
gcagcgccat gccatttcct cgcctcattc ataggacact tcactgccat tttctattca    180
cataaaaagaa aaataaatgt ggaaatttca tccttggaaa aaaaaaaaaa aaaaaaaaaa    240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaan nnnnnnnnt tcgggggggg    300
ctttttttta aagcaccag aggaaaaata gcttgggggg ggtgtgcccc acccccaaaa    360
agaggggggg gaaaaaattt tttttttttg gaaaaagggg gccccctctt ttct         414
```

<210> 2616
 <211> 402
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(402)
 <223> n = A,T,C or G

```
<400> 2616
cgttgctgtc ggtatatact cagttcccaa aagtggagtg ggtacctcta ggaagaaagg      60
aggtggaagg gaaatgttac caagcatggg agttaagga tacttcaatt ttgtatctat    120
ttcttattaa aaagaaacat tctaagtaaa cataacgaaa tattaattct ggggtgggtgt    180
aatattttgtg ttcattctat cattcgtgct atttatttcc ttaaacttct gaaagttaaa    240
aagtccagat aggagtggag aagctgtaca tgaaacataa tggacttaca ttcctagtca    300
gatactaata ttctgtagaa gatatttcta aaatcttctc tttaaaatat gaaataattt    360
ttaattgggg tggcaactta cattcaatta aaataactca tn                         402
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<210> 2617
 <211> 409
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n = A,T,C or G

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<400> 2617
ggcacgagat tacatagtga catatattat cttttcgtcc acatttgata acattgctaa      60
tattttcttt tttttttact gaagctcttt gaatttaaag ttttctctca tttaaattta    120
```

```

ttaattaaaa acataccttt actctgttcc ctttagcatt tcaacctgat gttaaaagat      180
gtgtatgcgt gatatgtgtg ttigaaatth taactttcat cttgaagtat ttaattctct      240
gaagcagtgc atgactcttg ctcttcagcc tcttgagagt ggccctgggt tatattcctg      300
atgatacaaaa ccctggaatt tcttgtctga agtggttaaca ctttatttcc aggtcctaata 360
ttgatttgaa tagtggaagt tcagattcaa tgcattaatg acagattcn      409

```

<210> 2618

<211> 406

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(406)

<223> n = A,T,C or G

```

<400> 2618
ggcacgagga aatctatgta gttaatctca ataaagaaat cattttggat aattttaaac      60
tgttattagt ggtattctct tacgggtctta ctaaactttg ctgtaacagt aatgcttttg      120
ttgctttaac taatcctatc attaaaaatg aaaatgattt tgctttttta tttgcgcaag      180
tagcactaaa gatagaagct taattaatga aagctaattg caataagggg tagatagagt      240
agtatatgtg ggggtgggag ggtatgggag tntnanntnn ntnnnnact gatgttctgt      300
gttattggaa tggtgaacta aatttaatat agctacttaa tatagagcgt ttctgagaca      360
aattattacc gatgatgatg acctaggtgg aaactttcaa ttacat      406

```

<210> 2619

<211> 402

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(402)

<223> n = A,T,C or G

```

<400> 2619
ggcacgaggt ctgaaacagc actcaagcta tctttccttt tctcattctg ttttaatttaa      60
aaaggcaata gtaatagagc atttcaaadc actttgttgt ggatttataa ggatgtttct      120
tcgttgggac aagtcattcc tcctgtggag gaacactacc tcatttttgc attaaagaaa      180
tagtataaag tttctgggtg aagattagac aattattctc attcatggat ctacaaggcc      240
atcatgtcaa aacattttatg aaaatgttcc gttcctccct tttccaaagg ccagaagttt      300
accctgtat gtggcaggag atatgagttt atccttggtt ttattatttg ataaatggat      360
ttaagttaaa atatattgca tttagcaaaa ttatagtata an      402

```

<210> 2620

<211> 412

<212> DNA

<213> Homo sapien

<400> 2620

```

cgttgctgtc gctcctcaaa aaatgatata gttcccaaag agaggtgtca gtgtcttgaa      60

```

c c g t c a a g t t	c a a g a g g c c a	t c a g a c t c a a	t a t t t a c t c a	t t c c t t c a t g	a a a t a a g t a c	120
t t a a c a a a a a	g t c t g c t g c a t	g c c a a g t c a c	t g t g c t a g g c	a t t g a g g a t t	c a g c t c t a c a	180
c a g g g c t g t c	t t g g t c c t t g	c t a t c t t t t a	g c t a a a a t g t	a g a c a c a t a a	a t a a a c a a t t	240
a c a t a t a g t g	t g a c a c a t t c	t a c a g t g g g g	g a a t c c a g g g	t t c t c a g g c a	g a t t g t a g g a	300
g a g c c a c t t c	a t c t a g a t c a	c t t a t t t t t c a	g t g c t t c a a c	t g t g t t t t c a	a t g a a g a t g t	360
c a c t t t g a a a	a t a a t a c t t c	t a a t t t a t g c	c c c a a g t g t a	t t g c t t t t a c	t t	412

<210> 2621

<211> 403

<212> DNA

<213> Homo sapien

<400> 2621

g g c a c g a g a t	c c a a t t a t t t	c t a t a a a t c c	c a t t g a t t t c	a g g g a a c t g a	a t t t g a t a g c	60
c a g g a g g c a t	t c c a c t g g c t	t c t t a a a g g a	c a t t a t t g g t	t t t c a t t t t g	t t t t g t t t t g	120
a t t t c a a t t g	c a a c t c a a a c	a a t g a a t c t t	c c a a a g a t g g	t t a c c c t c a c	t c t a c a a a a g	180
t g c t a a g t t a	a t a t t c t t t a	a a a t a a a t a c	a a g c a t t t c t	t g g a c t a g a t	a c c a t c a a c t	240
t t a a t t t t a t	t t t t c t c a c a	t a a a t g t t a a	c c a a a a a c t a	a a t g a t a a t t	t c c t t c t g t c	300
a c a c a g c a a t	t c c a c t g t g g	t g g a a c a a a g	t g t t a t c t c a	a g t t t c a c a g	a g c a a t t g t t	360
c a a t c a t t c c	t g t t g g t g g c	t c c t t t c c a a	a t c t t c g a g a	a t g		403

<210> 2622

<211> 404

<212> DNA

<213> Homo sapien

<400> 2622

g a t t c c a t c t	a c t t t a a g t t	t a a a g g a t t t	t c a g a a t c a c	c t t a a g t g t c	a a a t t t g t t a	60
g c a g g a t t a a	t t g a t a t g a a	t t c a c t t a t t	a a a c a g t a a a	c t c a a a t a a c	a t a g a c a t c a	120
a a t a a c a g a c	a t c t g c t c t a	g t t c a t g a t a	a a a t g t t g a t	a g a t t t t a t c	a g g t g g t t a g	180
t t t g a a a c t a	a a t g g t t t a c	a t c t a a a t t a	a g g g c a g g a g	c t g t c t t t c a	g a c a t t c a a a	240
a c g c a t t t g t	g t a a a a t g a c	a g g t g t t t g g	t a t t a c c a g g	a a c t c a t a a t	g a c a t t t t a a	300
t a a t t a t t g t	c t a a a t t t c a	t a a t c g a a g c	g a t t t t a g a g	t a g t t a a c t t	g a g a t t t c a c	360
a g c c a g t a a a	t g g c t g t a t t	t c t c c a g a g c	t c t c a g c t c c	c a t g		404

<210> 2623

<211> 408

<212> DNA

<213> Homo sapien

<400> 2623

c g t t g c t g t c	g g a t t t g t a a	g g a a a a c t g a	c t g t t t t t a a	c t g t g g t g c t	t t t c a a a a g t	60
t t a a a a t t g c	g t c t g t g t g c	t t t t t g t t g t	a t t c t a g c c c	t t a t g t g g g t	t t a c a g a c t g	120
a g t t c a t g t t	a c c t a t a t t t	t a t t a a a a a t	t t c a a a c c a t	t g a g c c c a g g	a t a t c g a g g a	180
t a c a g t g a g c	c a a g a t t g t g	c c a c t g c a c t	c c a g c c t g g a	t g a c a a a g c a	a g a c c c t c t c	240
t t g a a a a a a g	a a a a a a a a a t	t t c a a g g c a t	t g a a t t c t g g	g t a g c c a a g a	a a a a t g g a t g	300
g a t g c c t a a a	c c c a c a t c t c	c c t a c a t a a c	c t t c c a a c a a	a a t a t a g a a c	a g c a a a a t c a	360
a a t a t a t c t a	c t g t t g a c t c	t t g a a c a a t g	t g g g a g t t a g	g g a t g c t g		408

<210> 2624

<211> 409

<212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n = A,T,C or G

<400> 2624

ggcacgagag	taatgctaaa	aaaatgcact	ttattatcct	atggactttt	ccaaatgcca	60
tagctaccaa	tagagtcatt	tgcattacac	atactaatag	tattatttct	tctgaggaga	120
tcctagctgt	agctacagat	atagaaaatt	ctaccattga	agatcttgta	taaccttact	180
tcagccactg	aaataattta	aattataaat	attacatgtg	ggtttgacta	tcacagaaaa	240
taaaatgatt	atagatccta	aaaacataaa	ttcctgaact	ttgcaaccat	taattcatag	300
gtactactaa	tactcttact	acagatttta	taagtacttc	cacttataga	cagaagagca	360
ttctcagaaa	attagaatta	atctaaatta	tgagatagtc	ttaaagccn		409

<210> 2625
 <211> 416
 <212> DNA
 <213> Homo sapien

<400> 2625

tgagtgcaca	cagtagttgg	aaatggcagc	ttgcttggtt	ggaaagttgc	ttaaaagtgg	60
atgggtggaa	tggtccagtc	actccaggtg	gttcagaagt	taaatccatg	gcagcatggc	120
gcttggtgtcc	tcctggactt	gaattaaagta	gaaagttact	acaactcagc	aacaaaaaga	180
ctacacagac	tgggaaccgt	ggctcccgcc	tgtaatccca	gcactctggg	aggccgaggt	240
gggtggatca	cctgaggtca	ggagtttgag	accagcctgg	ccaacatggt	gaaaccctgt	300
ctctactaaa	aaaacaaaaa	ttatccgggt	gtggtggcag	gtgcctgtaa	tcccagctat	360
tcaggaggct	gaggcaggaa	aattgcttga	accccaggag	gcagaggttg	cagggga	416

<210> 2626
 <211> 414
 <212> DNA
 <213> Homo sapien

<400> 2626

ggcacgagaa	caagctgaca	ttatgcactg	agccagaagc	ttctcagact	tgcccagagt	60
tacacagcaa	gtccagggta	tggctgggaa	ttcaactcaa	ggctgttgga	ctctgaagct	120
tttggttttt	gttttttttc	ctccactaca	cagtactgca	tgccatgtga	gcaagatccc	180
gacacagaat	gaagtaacca	gtatctttta	ggcaaacaag	cagatcagta	gaatctgatg	240
atttcagggg	caaagaaaaa	aataatttta	atgcaatccc	tcattaccac	agccatggca	300
ctggcctcat	atgggtaagg	agatttgggc	aaccttttgc	aggctgatga	aattttggag	360
cctaaattgt	aaagttactg	ggcctccctg	ctgggtaaat	tcttttggat	ttct	414

<210> 2627
 <211> 418
 <212> DNA
 <213> Homo sapien

<220>

$$\langle 222 \rangle \quad (1) \dots (418)$$

<223> n = A, T, C or G

ggcacgaggg	ttccagcaca	gtgcggttgt	gtcgttggtc	tttttagta	tttctattt	60
ccaattttct	aagaaaagac	agaattaa	aaaaaatctc	ctagtttttt	attggcaacc	120
aattcagaat	tgtttaaac	atttgtctg	ccaaaacaaa	aaacatggtt	gccagccagt	180
agtttttagc	ctctgcttc	agagtgttaa	ggacaggcct	aaacatcctg	gccaagcttt	240
aatggatttg	catttttgta	ctctggatgt	aagttttatt	ctgcctctcc	tctaagacta	300
cttttagatg	tatcttcctc	ctcattccta	aataatcctc	agggattact	tttctcact	360
cagtaatttt	ccccctgcag	gcagctattg	cttcagctt	cacatatatg	gcttagan	418

<211> 407

<213> Homo sapien

gttcaggcag	gtgcttagca	at tt t t a c a a t	t t t c a c a a g c	t t c t g t t c a g	c t c a c c a t t t	60
cgg t g g a t g a	a t g t g t c a t t	t a c a a a g a a g	t c t g a a a t g g	g a a g c t g a g t	t t g a a c a g g c	120
t t a g c c a t t a	t t c a c c t c a a	a t t g g a c c t t	a t t a t g a c t c	a a a t t g a a a t	a c t a a a a g g t	180
a t a a t a c a t g	a t t g t a t a a g	t g g c g t g c c t	t a a t g t g a t t	c t t t a g a a c a	a a g t g c t c t t	240
g a g a g a a c t c	t g g c t g a a t g	t c a g g t a c t g	t g t t t t t g t t	t c t a c a c c a a	c a a a a c t g t g	300
a c t a a c c c a a	t t a a a g c a a c	a g c c a t g a a t	a a t a t t g g c c	c t g a c c t t g c	t g a a t t c a a a	360
a a c a a g q t t a	a t t g a t a c c t	a c c a t a a a t t	c t a c c t g a g g	g t t t t t a		407

<211> 405

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

ctccttagtat	aactttttaa	tggcatctac	ataacaccag	tgtctaaatt	tgaaaccttg	60
aaggctgtct	ttttccatca	acttggtgta	atactgactc	cttccctggt	cccccttcac	120
ttgggtttac	tttcttggtt	ttattatatg	ctgatctgtc	tcccttggtt	ggctgtaatc	180
acttttgaaa	gcagaaacta	gttggtgtcc	gtttttttct	atctcagaaa	tttgcccttc	240
agctcctggc	accattctct	ttgtgattaa	catccagtaa	acatttggtt	aatatgtctc	300
ttaaaatatg	tatcttttta	actatttata	cacctccaag	tggatgacat	gccacatttt	360
atttcttctc	agtttgttat	cattctttnt	gccactaga	ccaan		405

<211> 403

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(403)
 <223> n = A,T,C or G

```
<400> 2630
gcttctcttt tgttgatccc ggcgatnctt atctcttgct gtcgaantgg ctctgcctct      60
tttgtttcag gttgtgaccg tgtatgagnn gggctctgatg taagatgaag gtgtggattt      120
atcaaagcct tttttcccag ctatatataa ggaatttgaa gagttgcata aaatgggttaa      180
gaaaatgtgc caagattacc tcagtagttc tggctctgtgt tcccaggaga ccctggaaat      240
aaacaatgat aaggttgctg agtcattagg aatcacagaa ttcctacgga agaaagaaat      300
acaccagac aaccttggac ccaagcacct cagccgagac atggatgggg agcagctaga      360
gggagctagc agcgagaaga gggaacgtga ggctgcggag gat                          403
```

<210> 2631
 <211> 411
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(411)
 <223> n = A,T,C or G

```
<400> 2631
ggcacgagat gaagcccaga ttaacttttc tgtgaatatg gcctgtgaac tgttgctgga      60
attaaattgg agtctagcac aaattaagtt aatctactct gtattaatca ttgggaaaaa      120
gaaaagcttc atttgaaaac agtctttttc cttcacccac actaatagaa aaaggagagt      180
aatttgttca tactgtattc cacgtgggat gaaaagcatg ttttgctctt tgtttctggg      240
ccggtgtgat ccgtgtgttg gtgcctgagc tggaggaagg agcttcttgc agggaaacag      300
ccactggggc cacattgagg gccagtggg accttccttt ccagtcacac tctgtgtcct      360
cacgggcccc ttcacagtct agataaggag cctagtttca ttctcanaga a                          411
```

<210> 2632
 <211> 413
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(413)
 <223> n = A,T,C or G

```
<400> 2632
ggcacgagct gccctcgttc cgcgccattc aggacgactg ccaggtcatc acggcccgcg      60
tggcccagca gctgcggcag cgctttatgg agggcggtc aggcgccccg gagcaggcag      120
agtgcgtgga gctgctgctg gccctgggag agcctgcgga ggagctgtgc gaggagtcc      180
tggcgacgc ccgcggcccg ctggagaagg agctgagaaa cctggcctgg ccgagttgct      240
ggccaatgtg gccagctcca tctgagcca cattaaggcc tctctggcag cagtgcacct      300
tttcaccgcc aaagaggtgt ccttctccaa caagccctac ttccggggtg agttctgcag      360
tcagggtgtc cgtgagggcc tcatcgtggg ctctgtccac tctatgtgcc agn                          413
```

<210> 2633
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 2633
 cgttgctgtc gcattccacg ggttttctgt gcagttatgg gagcatgaca ggggaggctc 60
 caaaatggag gttgagctgg gtcttataga ataaataagt ttgctgggac cagagacatg 120
 ggtgtgcaca gactcagagg caagaaagtt gtatgatgag ggtggggggg tgtgcggata 180
 gaggttgaag cccaaaagcc ctgaaagtcc agtggtgagg ctcaggggtg ggaccctaga 240
 gagggcaaaag atgccagcc agatggaatt ggtggtgtga attgccagga ctggaaagag 300
 cccaaatggg ggctgcagca tgggccttgg ttgaagcctc taatcctgta agggctgctt 360
 tggcccaaga ggccttagaa acccggtgta agccttaatc gg 402

<210> 2634
 <211> 418
 <212> DNA
 <213> Homo sapien

<400> 2634
 ggcacgaggt tggaaagaag aaaagaatta tagaaaatac gagtaaaata tggtttacag 60
 aatacagaat acgaagatga aaagacattg aagaatccaa aatataaaga tagagctgga 120
 aaacgtaggg agcaggttgg aagtgaagga actttccaaa gagatgatgc tcttgcattc 180
 gttcattctg aaattactga tagcaacaaa ggtcgggaaga tgttgagaga gatgggttgg 240
 aagaaaggag agggcctggg gaaggatggt ggaggaatga aaacgccgat ccagcttcag 300
 cttcggcgaa cacatgcagg cttggggaca ggcaaaccat cctcatttga agatgttcac 360
 cttctccaaa acaagaacaa aaaaaactgg gacaaagcac gagagcgggt tactgaaa 418

<210> 2635
 <211> 409
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n = A,T,C or G

<400> 2635
 cgttgctgtc ggacgagaca gcgagaggaa cagcgtccgg ggcgaccccc agtccaccgc 60
 gggggcctgg cgcgcttggg gcaaaggccc taggagacct cttctggcca caaaatcgag 120
 tatgacagaa aagggccagc gggggcgctt tcttccagg gccacttgcc ggaatgtaag 180
 agggacggag agacgtccgg aaaaggctgc cacgctcgga gcgctgcgcc aggccaggca 240
 cctaggccag gggagcggag acctcgtggg agcgggcagg gggaccttcc ccctctcccg 300
 ggcttccacc caggcgcttc cccgctgtga acgcccgcgc ccaggtgaag gggaaaccgg 360
 ccacgtttcc ggacctcggc ggngcacacg gtctccggtt ttcaccggg 409

<210> 2636
 <211> 403
 <212> DNA

<213> Homo sapien

<400> 2636
 cggttgctgtc gggcaatctc catggctttt tggctgaggg tggagccaag gacatccgag 60
 gtgctgtgga ggccgctcac caggctttcc ctggctgggc gggccagtcc ccaggagccc 120
 gggcagccct gctgtgggccc ctggcggctg cactggagcg ccggaagtct accctggcct 180
 cgaggctgga gaggcagggg gcggaagctca aggctgcgga ggcggaggtg gagctgagcg 240
 caagacgact tcgggcgtgg ggggcccggg tgcaggccca aggccacacc ctgcaggtag 300
 ccgggctgag aggcctctgt ctgcgcctgc gggagccgct ggggtgtgctg gctgtgggtg 360
 gtccggacga gtggcccctg cttgccttcg tgcctctgct ggc 403

<210> 2637

<211> 389

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(389)

<223> n = A,T,C or G

<400> 2637
 cggttgctgtc ggaagactag catccttttg gctccctggt tggntgtgaa atacacacac 60
 gcacacacac acacacacac acgctcgcac tcctctgaga ctccgaacag agaaaaaaat 120
 tattggcaaa tcaacacatt tttctttctc gtcttgagaa aatgtcttga ggtccctgaa 180
 gggccaaatc catcgtggac taactctgtg ggtagagctc agatgacctg gggagaatta 240
 aaccacttaa tcttgaggatg ggaggagagg ggggtggggtg ggagagaata taagatgtat 300
 cttangctaa gtggaatcta tttataaagc gagagactct catctatatt tatgagagga 360
 gagggttttt aatctagggg aggcagccc 389

<210> 2638

<211> 396

<212> DNA

<213> Homo sapien

<400> 2638
 tacggctgcy agaagacgac agaagggggc tcatgcctgt aatcccagca ctttgggagg 60
 tggaaaacct gaggtccgga gttcaagacc aacctggcca acattgctaa accctatctc 120
 taccaaaaaa taaaaaaatt acccaggtgt cggtgggtgtg tgctgtaat ccagctagc 180
 tacctcggga ggctgaggca caagaatcac ttgaacccgg gaggcggagg ttgcagtgag 240
 ccaagatcat actgctgcac tccagtctgg tgacagagaa cgattttctt tggaaatata 300
 tattaaatac taaacaaggc tgggactgat cttcattgtc attcctggct gcccatatta 360
 ctcaaggctg acgattaacc atttgtttta atacat 396

<210> 2639

<211> 393

<212> DNA

<213> Homo sapien

<400> 2639
 cgtggctgtc ggagagcttg gatttctatt gaccttatac tggtaccaac tgtaccagct 60

```

aatcatgtgt cccttgagtc tgtcacgtga cctttgcttt cctctgaaaa tccttttact 120
cagtaggcca gttacaccca tttataataa ttaataaaat cactatgttt gacttcaagc 180
ttttccctta ggtttatgat tttttaaaag tattatcctt ttttggcatt taggaaggca 240
tctatTTTTg ttttaatggt tactttgatg taatactttt tttttctgct cttgagcatt 300
gactcccgtc gtgagtgata aatcagacat ttaccttttc tccccctcc tctctttatt 360
ttccatcata taacttgaaa gattatcctt ttt 393

```

<210> 2640

<211> 393

<212> DNA

<213> Homo sapien

<400> 2640

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ggcacgagac tcacttctaa tagaatctag tgtcataaat tatacaaaac tagaagcagc 60
agattgtagg agaatggggg aggtgtggga gatttttatg tggaatgaca tctgtcagga 120
aaagagaata aaaatttcct aaaagactgt catattaagc ccctttacct tttccttggtg 180
ccacctcatt acatagatag atcatcattg tatcagaaaa atgttaattt atattattaa 240
tgatcacttt gtaagtatgt tttttcaacc atcctaaaca cattttcaga aatgtttttc 300
tttaaagggt gataagtttt aaaaattttt ttataaagag ttaggcttgt gttattactt 360
aatgaggaga acctcattcc ctattaatgt taa 393

```

<210> 2641

<211> 384

<212> DNA

<213> Homo sapien

<400> 2641

```

ggcacgagga gagttatagc cttatTTTTt ttacattcctt aggaatttat gaaaatgtat 60
gaagtttgat gaatattaca tagaagtatt acaagcttat gagcgccctag aaatcaaadc 120
atatttttgt cttttgaatt cattaaacct taaaattatt ggagttctga tttagtgtctt 180
cagaactatt ttggtatttg tgtatcttgt tttggacagg gtttagcatgt atttgacacc 240
cttttagccct ttaagggtata ttttgtctgt gaagattttc tttctttttt tttttttttt 300
ggaaaaaaag tcttactttg tccccagtt tggagtgaat gggcttgacc caaaatcgtt 360
tcccatgcta aagaaatttt ctgg 384

```

<210> 2642

<211> 392

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (392)

<223> n = A,T,C or G

<400> 2642

```

cttaaaaaaa tatatagaaa gaaagaaaat gcttttcaat tttgggcca gccattttta 60
cttaaaggta atatccatat attcctatta gactcaccct ttccctatag ctaaaattaa 120
attcttagag aagaaactta catcagttta atgaatacac agcctgtcta taccaatttc 180
ctcttctaga gtcactacat tcaaagcttg gtgggtctca atagggtatt actgctgact 240
gggtaatctg ggttcctgtg tgcagtgaca tcaagcaaga gatttaccaa gagaagtgga 300

```

```

tgccatgaca atgcatgtaa ccatgggtgtg accggcctcc ctgacatggc tctcanaagc 360
tttccctctg tgaaaacaga agcctgtttg ca 392

```

```

<210> 2643
<211> 391
<212> DNA
<213> Homo sapien

```

```

<400> 2643
ggcacgagtg ataatatagt aagccaaaat tggtcagtg aggataagca agatggaata 60
agtgcaagtg tagtaatttt ctcactctttc attatgacaa gtcactcactt actatataag 120
aaatttttaa atacgggtaaa atagtacata aaattacaaa gataaaccacc aaaagatcct 180
agaatagact ataaaccttt ggaactatca gaataaaaa acacaataaa gaaaacaaat 240
accatatggg aaaataattg tgtgtatttg tgtctttaat ttgtttgtga gtgtctttta 300
tttatgtgtg tataacatta taaaggaaaa atataactaa acataatccg tatgattaaa 360
tatttctcct atatccagaa atgtaaattt a 391

```

```

<210> 2644
<211> 389
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

```

```

<400> 2644
ggcacgagga tacccccagc actcatatgg tttctataacc aacagttatt gatattacag 60
gagagtatgt aattagtaat gctaaaaaaa tgcactttat taccctatgg acttttccaa 120
atgccatagc taccaataga gtcatttgca ttacacatac taatagtatt atttcttctg 180
aggagatcct agctgtagct acagatatag aaaattctac cattgaagat cttgtataac 240
cttacttcag ccactgaaat aatttaaatt ataaatatta catgtggggt tgactatcac 300
agaaaataaa atgattatag atcctaaaaa cataaattcc tgaactttgc aaccattaat 360
tcataggtac tactaatact cttactacn 389

```

```

<210> 2645
<211> 387
<212> DNA
<213> Homo sapien

```

```

<400> 2645
ggcacgagcc catctctact aattatacaa aattagccgg gcatgggtgt gcatgactgt 60
aatcccagtt acgcgaggagg ctgaggcagg aaaatcggtt gaacccagga ggccggaggtt 120
gcagtgaacc gagatcgcca tatatatata ttcatatata tgtatatata cacacatata 180
tattcatata tgtatatata cacacatata ttcatatata tttatatata cctatattca 240
tatgttttca taatatacga atatacctat atgttcatat atgtatatat aatattcata 300
tatgcatata tgtatatata atattccat atgcatatat gcatatatata ctatatatgc 360
gcacatacat attcctatat gcatatg 387

```

```

<210> 2646

```

<211> 386
 <212> DNA
 <213> Homo sapien

<400> 2646
 cgttgctgtc ggtgaactgt gatcatccag attttggcag cttatagggt cttagttgat 60
 ataaaaaaga atgccaagc atgggtaaaa atacatgaca taactatgta aacaagtaga 120
 agaacttagg gttcttctaa gtaggggtcag agccaagatg agctagcaaa aaaccttggt 180
 actttttttt ttttgaaagg gagtttggtt tggccaccca agctggaggg caggggaggg 240
 atttcggtta attgaaacct ccacctctgg ggttaaagca attttggggc ctaaccctcc 300
 caggaagctg gaataacggg ggcattgccac caccctgggt taattttggt ttttttagca 360
 aagacgggat ttcacatgt gggcca 386

<210> 2647
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 2647
 ggcacgagaa aatatataac aaccaaagtg ttgtattaag ataactctta acctctgtta 60
 gtagtaacat gtttcattac agtatcaa atatataggtta aatttggtga catgaaaaca 120
 cttgtggtct gtatgtctat caaacattca tgaataattt gaagactatc aatttggtac 180
 ctacaaaaga tgatgcggta gccatggaaa tgcattcccc agatctcctc ctgtgagaag 240
 cagagttgac agaaccctag ctgctacccc atgggatcta ccaactgtatt cctgctgttc 300
 ccagccaatg agtgagaatg gcaggactat taacactgac ccagtccct gatgggcaac 360
 attggctcaa ggatttcca ttagattgcc cagaat 396

<210> 2648
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 2648
 gacttgctgt tcttaacctt ccaaagcagg catgtagacg cacatgtgtt ttacacacgt 60
 cattggagga aggctggcaa taccagcttg gttgcaagga aagaggcaat tgagaggact 120
 ccttctcaca ctgcagtaat ttgctgagtg accttgaaca aggatcttaa tgcattcaag 180
 tctgtttcct caaccccaaa atgaaggat tggaccagat gccctcaagg ttctcaagg 240
 gtcagctgtc acagttctcc aaagtgagtt ttcaggcaca catagagtta gccagtgtcg 300
 cctcaccagg acattctgtt ttctgaacat tgggcctctg tggtttgtca cttacaccca 360
 cgggactggg ctcataacta cctgaag 387

<210> 2649
 <211> 398
 <212> DNA
 <213> Homo sapien

<400> 2649
 cctcacccca gctgctgtc gcttctgacg gatcttggtg ctcaggctgc ctggctctcc 60
 gagtgaggac gcagcctcca tatttggtgc actcaggcat ggctgggaca agccagctgc 120
 cccaggggtc tccccctggg gattctcgcc tgctttctca tctcaggga ggcagtggca 180
 cctccctctc cctgctgaca tgaagagagc tatgatatgc cactgctgcc aactcatcct 240

```

ctgccccac ctcgaaaccc acagtcccca gtggagggcc actactcatc cccattgggt 300
tcccagggga ggggtgttgt ctggaagggc aggttcagat gcagccttcc agatttagag 360
gcactgggag gacagtggct gagtggaggc gcccacac 398

```

```

<210> 2650
<211> 387
<212> DNA
<213> Homo sapien

```

```

<400> 2650
cgttgctgtc ggtttgatga tggatgatgat gatgatggca gtcatgaact gaggagtgag 60
attcatgcc a ctctacattt gaggttcttt ctccagccat gtaactctgg caatggagta 120
gaatagggag gagggggaag gtgagaacgt aggtagaaag agctgttggg caactgtagc 180
aataaaacag aaaagagatg aatgtttgca cataggcagg ggcagcagga atgcagaagg 240
gcaggtgtca gagagcgtcc acgtggtagg acccacagga ccaggtggct gaatgcagag 300
gctgaggctg agcagggcgg ccagtatggc tcctgtgttc tgatggcgtg tagtggcgtg 360
accagccagg gtctggaaga aagagga 387

```

```

<210> 2651
<211> 400
<212> DNA
<213> Homo sapien

```

```

<400> 2651
ggcacgagca tacttttact taaataatta ttataaagac ctcaaaggaa atgtatcagg 60
tgctgtaaga taatttaaca ggtggttttg cttagtttga ggggaaaaac tttaggggca 120
tgaggaatta gaaagagcta gtgaaaagaa agtgtagcag ccaaagagtt aggtgaagaa 180
acaaatctgt ggtacattaa gaaaccaaga aggaggaatt tccagagcat atttgtggtc 240
atgaaagtca aatgctgcc a gatggaaag gaagatggga gttgagactg gtttgctaca 300
tatggtgatg aaaactgttc tagaaaagtt tcaagttaat aggaccaaac acagcttaca 360
ggtgattaaa aaatgagaag gtggtgaaat cctaagtact 400

```

```

<210> 2652
<211> 389
<212> DNA
<213> Homo sapien

```

```

<400> 2652
ggcacgaggc ccctcactgc cctgctcaac caaagccgcg gagagcgccg agggccccc 60
agtgaaggcc acgaggcact ggagaaggag gttcaggctc ttcgggcca gctggaggcg 120
tggcgtctcc aaggggaggc tcctcagagt gcactgagat cccaggagga tggccacatc 180
ccccgggct acatctcaca gctggtgggc gtgatcactg tgcccgtttt acagacaagg 240
ccactgagct ctgagaggtt atgtgacttg cccaaggta cccgcctgc aggtctcaaa 300
ggtgggattt gagcgagggt ccggctgact gcagagcctg tgtgtgagtc cccgtgtgac 360
actctgcaat tggacccttg ccccgaggga 389

```

```

<210> 2653
<211> 397
<212> DNA
<213> Homo sapien

```

```

<400> 2653
ggcacgagcg gcctccatgc tctggccgtg gaggataccg gaggccctc tgcctcggcc      60
ggtaaggccg aggacgaggg ggaaggaggg cgagaggaga ccgagcgtga ggggtccggg      120
ggcgaggagg cgcagggaga agtccccagc gctgggggag aagagcctgc cgaggaggac      180
tccgaggact ggtgcgtgcc ctgcagcgac gaggaggtgg agctgcctgc ggatgggcag      240
ccctggatgc ccccgccctc cgaaatccag cggctctatg aactgctggc tgcccacggt      300
actctggagc tgcaagccga gatcctgccc cgtcggcctc ccacgccgga ggcccagagc      360
gaagaggaga gatccgatga ggagccggag gccaaaag      397

```

<210> 2654

<211> 398

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(398)

<223> n = A,T,C or G

```

<400> 2654
ggcacgagaa acatccttgc tgtggctttc tggcctcaga gcaggtttta gaggaagggg      60
ccacaggctg cctagtgcac cctggctgtg ggcagccctt ttccctggagc cctcctgcct      120
accccgatcc tcccatctgg ctgcacagct ccataccttag ccacgcaagg ggagaacatg      180
ggcagagtct ccataccagca gctggggggt ctgggtggcac tccctgtgcc cctgctgctg      240
ctgggctgtg ggtctgccct gcacccagga gccccacggt ccatacccca caccatgccc      300
agcaccaggg aggttgggca gacaagacct gggccatgcc agccctctgt gcctcggttt      360
tcccactggt tacacaggat ggtcgcattt tccctgcn      398

```

<210> 2655

<211> 386

<212> DNA

<213> Homo sapien

<400> 2655

```

cgttgctgtc gctccctccc aggtctgggc tgcgcagtac ctccccctgc cttagagcac      60
cccactatct ctgtaaaggc tctctctctc tttttttttt ttactaaccg gagctaaaac      120
caattcctgt tgataacaac taaacaacct cattaccgga gaggactttc gtttactttt      180
tgccttttag gttccacttt ttttttggga aaggggattt aatttggtcc ccagccccga      240
catcgactgg tataattttg tttaagagca cccttgagcc tcctagggaa acaacattcc      300
ccggctgcac cctccaaaga tttggggata acgggatacc cccccccccc cccacctatt      360
tttgtgtttt tatgaaaaaa gggcgc      386

```

<210> 2656

<211> 399

<212> DNA

<213> Homo sapien

<400> 2656

```

ggcacgagcc cggacctgcc cctgcctccg accggccctg aactttgtgg ggactgagct      60
tgggatctcc ccggtggccc gccccacac cgggcttctg ggaggtgggc tccagggctg      120
tggagagaag ttgggtggtt ggtgcaggca gcttctgggc ttgagtccgg cccctgcac      180

```

```

ctccagtgcca cactccccag gagctcacct gctcccaggt cgaactccat ggcggtaaga 240
gaagttgggt cctaaggcca agggcgctg ggcctgcag aggagcggag cagggggagg 300
agcgctgaga cctgcccgtt ggaggaatgc tgagacgccc caccacacct ctgtcctggt 360
cctcagccct gactcattgc ccggcaccac ccaggattc 399

```

```

<210> 2657
<211> 395
<212> DNA
<213> Homo sapien

```

```

<400> 2657
ggcacgagga aaaaagagct gttgaatggt agatcatgaa catcagtatt tatctgagga 60
acatcctgcg gaggaatccc ttccccatt tattaaacac aaaattgccg gtgtttcaag 120
tagttctctg atcgatagac caacaactga aattaaatgc ttttagtctc aagtgcccat 180
ttttattaaa atgtaattat catgaacaga aaaagcaata caaggcgtgt gttcttaata 240
attctgccat tctctttttg acatttaaaag gaagagccta ggctggatgt cttgatcaat 300
aacgcagggg tcttccagtg cccttacatg aagactgaag atggggttga gatgcagttc 360
ggagtgaacc atctggggca ctttctactc accaa 395

```

```

<210> 2658
<211> 388
<212> DNA
<213> Homo sapien

```

```

<400> 2658
cgttgctgtc gatcgggcaa cccaaggact tctcactgg catgtgcttc ttctgcaga 60
cgctgaggca aaaacagcct gacggtgtg gctcatgcc tgctcttgag ggcaacgtgc 120
tggcggaacc atttgccgc atgcggccat aactgcatca ttggtcccaa tgggagcctg 180
ggacctgtcg tgctggtcga agatggtgtg tgtatccggc ggtgcacgat gctgcccgat 240
gcccagagatg cgctcccat actggcttga gtcctgcatt gtgggctggc gctgccgcgt 300
gagtcaaaga gtactcatgg agaactgac agagctgagt gaggacgtca taattaatga 360
ggagctctac ctcaacggag acagcgtg 388

```

```

<210> 2659
<211> 378
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

```

```

<400> 2659
ggcaccagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttttt 60
tttttttttt tttttttttg ggggccccca aaaatttttt tttaaaaaaa aaattggggg 120
ggggcccccc ctttttttaa aaaaggggtt ttttaagggg ggattttttt ccaaaaaaaa 180
aggtggtttt ttttttcccc ggggggggtg ggcccccccc ccaaaaaaaa aaatccccgg 240
gggaaacccc cccccccccc cccggggggg gggccccccc tttttttggg aaaaaacacc 300
ccccccccc ccttttttct gggggggggg ggaatcctcc tcggagaggg gggggggggg 360
ggcaacaaaa aaacaaaa 378

```

<210> 2660
 <211> 382
 <212> DNA
 <213> Homo sapien

<400> 2660
 cgttgctgct gattttccag ttgttttgct atattctgca aataaaaacc gtgtttcctt 60
 ttttcaactta aacttttggtt ggaaacaaaac taaagcagac aaacatttct tgttatgttt 120
 gttgctttct ttaatccaat ggataaaaaa agtaaaaccc tgtaaacatt attttatttt 180
 tttatgcaat accatgctgt aaatatgggt catcaaataa ggatgtacct atgattgaat 240
 ctttaattct gcacagttag agtttatata taaacgtgct ttgacaatca aggactttta 300
 tgtgagtctt cctttatgat gtttattaat gttatgcatt ccatttggtt tgaagtgagt 360
 accaatgtgc taatttgat tg 382

<210> 2661
 <211> 373
 <212> DNA
 <213> Homo sapien

<400> 2661
 cgttgctgct gggaacttta aaaattatgt ctgtagttaa ataactaaat gtaagaaagc 60
 ctttaatata gggtagagtt attaaatagc acaattaaaa aaattttaga acttacaaat 120
 acaaaggatt attattttct caaaattatt atctttattg ctataatatt tatttaattg 180
 agcttttttg ttcaatgcac ttttggaatt tttctttgga aattactaca tgatgctttg 240
 gacagctttt aaatattttg tatatattca gtcccttaga ttttaaatat ttctgtttct 300
 tcctcttttc ctctgttaca tgggtttcca tgtaacctct tcctcatctt ggttgtcttt 360
 ttcttctaatt gct 373

<210> 2662
 <211> 373
 <212> DNA
 <213> Homo sapien

<400> 2662
 tacggttgctg agaagacgac agaagggcct tattttgaaa tcagaataat ggaaattatt 60
 acaattaaaa agtcactaga aaaacagacc tattgtacaa agattccagt cttacctttc 120
 tcaagtctgc ttactgattt ttctcttatg tctctattct ttccccctcc ctttgccctt 180
 cttttctccc ttctgctctt tgaccccaaa ctcctctttt cttcttagtt tattaataaa 240
 aaaccaaaact atattactat caatatattt ttactatatg cagttcatat agtctcgtga 300
 ttggccaaag tctaattggt cccaataggt cctcaatctt taaggcccag tccaaacctt 360
 ccacaatgaa ggg 373

<210> 2663
 <211> 378
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(378)

<223> n = A,T,C or G

<400> 2663

tacggctg	agaagacgac	agaagggaaa	cctcgtctct	actaaaaata	caaaaaaact	60
agctgggcgt	ggtggcatgt	gcctgtaatc	ccagctat	gggaggctga	ggcagagaat	120
ttcttaaaac	tgggagggcg	agggttcagt	gagccaagat	tgtgccactg	cactccatcc	180
tgggggacag	agcaagactc	catctcaaaa	caaaacaaaa	caaaagatgg	catagaatcc	240
ttcttggaac	cttgtgcaga	gggaagagta	aaaagacctc	cacacggccc	actctgtcca	300
ccatctttgc	tccaaaagtc	cctaccctgg	aagtaccggc	accagaagcc	gtatcctcag	360
ggcactcaac	gctgcctn					378

<210> 2664

<211> 378

<212> DNA

<213> Homo sapien

<400> 2664

cgttgctgtc	gattcagggg	tcacttttga	acttgctgga	ttatggtgat	ggtttttggg	60
tagtatgtgc	ttcattat	tatttgggg	agttacagt	ttgtagttt	ttgttaacag	120
ctacactttt	ggtactat	tccttttaaa	tttttgggt	ctaagattta	ccactaatta	180
ctaatatatg	cctttccaat	tcacttaaaa	ccttaataag	tgaaatgttc	aggtattgct	240
agggtaaatg	tgtcttttcc	tactattgag	attttaaaag	gctgtgatta	agagagactt	300
tattaatttg	atctgaaaga	agtagaaacc	tctatgaaac	aattttttatt	ttcctttgca	360
taatacctta	gaaatgtg					378

<210> 2665

<211> 373

<212> DNA

<213> Homo sapien

<400> 2665

tacggctg	agaatacgac	agaagggatg	agagtgagga	tgacatgtga	tcccatgcct	60
ccaagagcaa	agccactgag	gatgggtgaag	aagacgaatt	aagtgcctgga	gaaaaggagc	120
acgatagtga	tgagagttat	gatgactctg	attagacccc	agataaattg	ttgcctgctt	180
ctgtgtctct	gccagcctgc	gatcattttg	tgtagagatt	tgaaatccgc	tgtttgcctt	240
tcttactggt	aggatccttt	tttgcccctc	tttttttttt	tttttttttt	tttaaaagag	300
ggcttccttt	gtcttcccaa	ggcggggggg	ggcggagaac	atttgggtat	ccggaccctc	360
ctttccccag	gta					373

<210> 2666

<211> 376

<212> DNA

<213> Homo sapien

<400> 2666

ggcagcaggg	ctggtttgtc	tggggagaca	gacaggatgt	tgtggagctg	gggtggaacc	60
tggtatggag	ggattaactc	agtcattgga	ttctccgacc	aaaaccacac	ctgtgtctct	120
ggcaggctgg	ctggccttgc	tcccatccct	agaactgctg	cctctccctg	gatattccag	180
ctcaattagt	gccacatatg	ggggaaacga	cacatcccag	tgggatttcc	aacactcccc	240
ctccccatgc	aacaaagcaa	cttacttctg	gagttctctc	ccaaggagag	gacacagaca	300
cagttgtttg	ctgtgttata	tgtagctcc	gaacaatggg	tctcaattgg	cttagcatca	360

aaacacctaa ggagtg

376

<210> 2667

<211> 382

<212> DNA

<213> Homo sapien

<400> 2667

cggttgctgtc	gggcagctca	gggaagggtca	ggagatgggg	tgttcccagt	catgcccag	60
gcatctctgc	ctcctcgggc	cccacctgcc	tcgccctgtg	gcctgagtc	cttcagctgt	120
gtgggcctcc	ctgagtgtcc	tgagtggagt	ggcataaggg	gtgagaggcc	atgggtgtct	180
tggggcttgt	gggtccgggtc	tggccatctg	tcacctctca	ggcgtgcagg	caactaatccc	240
tccaagcctc	agttggccac	agtggagaagg	ggcctggtaa	caactgtcctg	gatgccagg	300
tgttggtgaag	gtcccgggctt	agcctctggc	aggaaggagg	tgctcaggag	gtgggcacag	360
gcagagggtc	ggctgtgggg	gg				382

<210> 2668

<211> 371

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(371)

<223> n = A,T,C or G

<400> 2668

tcgaattccg	ttgctgtcgc	atttcacggg	ttttctgtgc	agttatggga	gcatgacagg	60
ggaggctcca	aatggagggt	tgagctgggt	cttatagaat	aaataagttt	gctgggacca	120
gagacatggg	tgtgcacaga	ctcagaggca	agaaagttgt	atgatgaggg	tgggggggtg	180
tgcggataga	ggttgaagcc	caaaagccct	gaaagtccag	tgttgaggct	caggggtggg	240
accctagaga	ggcaaaagat	gcccagccag	atggaattgg	tgggtgtgaat	tgccaggact	300
ggaaagagcc	cagatggggg	ctgcagcatg	ggccttggtt	gaagcctcta	atcctgtaag	360
ggctgctttg	n					371

<210> 2669

<211> 378

<212> DNA

<213> Homo sapien

<400> 2669

ggcacgaggc	ggatcaggga	gattcagaag	cgcttcagag	aacaggagcg	cagccgggag	60
cagggccagc	ccaggccctc	gaaagctctg	tggcgctcac	ccaagtaCga	caagggtggag	120
tcccgggtca	aggcccagct	ccaggagcct	ggcctgcct	ctgggacaga	gtctgcccac	180
ttcctgctgg	cgcactcccg	ctgcggccct	ggcctccac	caccccatgt	atctagtccc	240
cagccaaccc	caccagggtc	cgaagctaag	gagccaggcc	tgggggtgga	cttcattcgt	300
cacaatgcac	gagctgcca	gagagccccc	cggaggcatt	cctgctcact	gcagggtcctg	360
gcacaagtgc	tagagcag					378

<210> 2670

<211> 373

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 2670
ggcacgagggc ggatcagggg gattcagaag cgcttcagag aacaggagcg cagccgggag 60
cagggccagc ccaggccctt gaaagctctg tggcgctcac ccaagtacga caaggtggag 120
tcccgggtca agggccagct ccaggagcct ggccctgcct ctgggacaga gtctgcccac 180
ttcctgcggg cgcactcccg ctgcggccct ggcctccac caccatgt atctagtccc 240
cagccaaccc caccaggtcc cgaagctaag gagccaggcc tgggggtgga cttcattcgt 300
cacaatgcac gagctgccaa gagagccccc cggaggcatt cctgctcact gcaggtcctg 360
gcacaagtgc tan 373

<210> 2671
<211> 376
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(376)
<223> n = A,T,C or G

<400> 2671
ttcgaattcc gttgctgtcg ggcttatctg atgtatctcc ggggtgcanga agcgggtggag 60
tccatggtga agagtgtgga aagagagaac atccggaaga tgcaggggtct catgttccgg 120
tgcagcgcca gctgttgtga ggacagccag gcctccatga agcaggtgca ccagtgcac 180
gagcgctgcc atgtgcctct ggctcaagcc caggctttgg tcaccagtga gctggagaag 240
ttccaggacc gcctggcccg gtgcaccatg cattgcaacg acaaagccaa agattcaata 300
gatgctggga gtaaggagct tcagggtgaag cagcagctgg acagttgtgt gaccaagtgt 360
gtggatgacc acatgg 376

<210> 2672
<211> 370
<212> DNA
<213> Homo sapien

<400> 2672
tacggctgcg agaagaccac agaagggggg gcacagccct gatgatggag gggctgctca 60
gtgcttgcta tcatgtgtgc cccaactata ccaatttcca gtttgacaca tcgttcatgt 120
acatgatcgc cggactctgc atgctgaagc tctaccagaa gcggcaccgg gacatcaacg 180
ccagcgctta cagtgcctac gcctgcctgg ccattgtcat cttcttctct gtgctgggag 240
tggcttttgg caaaggggaa acggcgcttct ggatcgtctt ctccatcatt cacatcatcg 300
ccaccctgct cctcagcacg cagctctatt acatggggccg gtggaaactg gactcgggga 360
tcttccgccc 370

<210> 2673

<211> 355
 <212> DNA
 <213> Homo sapien

<400> 2673
 tacggctgcg agaagacaac agaaggggtt ggatcatttt tttctgaaag tgggcaatta 60
 tttcaaaaca aaatgggttc aatagagcgc catgatattt ttctgacatt ttctttgaaa 120
 tagttgatac tcctttctgca aattttgttg acagtgttcc taggttccaa aaagaagggt 180
 aacgccacta cagcaccttt gccatctgac cagcagcaat tctaagatgt cattgattct 240
 aagatgcata tcaattccca agatgttaaa atgaacaaaa tacatcactt aggatcataa 300
 acacatttta gttggaatag acacatttga agaccagatt tgaacaatga tcctg 355

<210> 2674
 <211> 361
 <212> DNA
 <213> Homo sapien

<400> 2674
 gcctacggct gctagaagac gacagaaggg atttaaaaga aaagcatata acataaaata 60
 aaaaagaaga ttcaatacgt aaccatagga gatacaaaaca ttcaaagagc aggttaagga 120
 aagaagcctg agaaggaccg ttcagagaga cagcataaaa gaaaacccag aagagaagtg 180
 taaatctgac gtcacaagag gaatgcactt tagaaaatag gaggggtcaa tattacctta 240
 cagagagacc aaataagact aaattgcaca aagttcttga ggaagtgaag actcagatta 300
 tagactatat ttttgagaat attgggtatg aaaaagggtg acttgcgcac tcaccagttt 360
 t 361

<210> 2675
 <211> 356
 <212> DNA
 <213> Homo sapien

<400> 2675
 tatccgctgc gagaagacga cagaagggta cagtttacac ttttttctta aaatcatgaa 60
 agcgggtttc tatcttaagc atatattgtg actactatta acagactgat ttgtgtagat 120
 attaaatgct ttaagctatt ttacctttc aagaagttgt gttttttttt ctccaagtca 180
 taaccaattc ctgcaaagag gcttcccatg acttgtgatt ataaagtaga caaccaggga 240
 attgcgcgag acacattttt atttaattct tttttttacg gaatgcccct gagccggaat 300
 agattaaaag cggtttcctt cttttttcac atttaaaaca ggatgggttc tgggtt 356

<210> 2676
 <211> 366
 <212> DNA
 <213> Homo sapien

<400> 2676
 cgttgctgtc gaaataatag agctaaataa tgtcctgtca cttccattat aagaaatctg 60
 gattcatatc taagtgtata tgtataatac tgtacagtta agagttcaga acaagtggga 120
 atgtttttct ttaatttaac tcattttgtg ctttctttac tcattcaaac acacatacat 180
 ttacatata gtttatttct ttatgaaatg ctaatcttca gcccgtaga aaaagtagag 240
 tggagcctct ttgcactact actatcaata aattttaaat cagttggatt tttaagcatt 300
 ttttaaaagc tgacattaaa gtaaatctaa aaaaagttta acaaactggc caagacacta 360


```

<400> 2680
gttcctttttt nnaatcccat cgattcgaat tcggcagcag gtgcaacgct ggcaagtctc      60
aaagtcgcca cagaaacatg cccctgattc agtgccctctg cttagctgta acatgttaat      120
cagaactacc tggcatcttc ctgaacaaga ctttcaatag gggccagtat gcttcgcttc      180
atccagaagt tttctcaagc atcttcaaag atactgaagt actctttccc agtgggacta      240
agaaccagca gaacagatat actttctctc aagatgtctc tccagcaaaa cttttcccca      300
tgtccaaggc cttggtcttc ctcatcattt ccagcgtata tgagcaagac acagtgtctat      360
catacatccc cctgcagctt taaaaagcag cagaagcaag cacttctagc cagaccctca      420
agcaccatca cttacctaac tgacagccca aagccagcat tatgtgtaat      470

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<210> 2681

<211> 420

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (420)

<223> n = A,T,C or G

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<400> 2681
cgcacgagag agaaaacagg tggngagggt ctgattaaaa actatgcaca agtaggttta      60
acaaaaatac tcatgaaaat gttcggaaac tgaaatttaa acaactgtaa tattaaggaa      120
accagaatca ataaatcact gtcttgccag cacagctaca gagtaacatg attcagggga      180
ggaaaagttc cttacagtta cttttataat tctttttttt ttttcctctt aggttaaaaa      240
ctctaacaaa tttaaacttt atctttttta acttatttga acatacttta gaatattgaa      300
cctctaacc caaatgttta tagataccct cttatccata aacaaaaccc tgctaagcca      360
tggctctatt ttttttttgg cttatagagg ccggtaacag tttttttgca ccaatatatg      420

```

<210> 2682

<211> 440

<212> DNA

<213> Homo sapien

```

<400> 2682
gcaggagccc atcgagctgc ttgtttgggc cgaagcggcc tacggctgcg agaagacgac      60
agaaggatcc tgaatgtgtg tgctactttc caccttcacc accaccacc tagtccaagc      120
ctccacatca ctctctgcta cgatcctcca gcctctccca tgatggcttt ttttctgtcg      180
ctcagctccc agttctctgc tcttcacact aatcataaca tatcatttct acctccatgc      240
ctctgtgtga tctcttcccc aagtctagat tgctcatacc cctgggccac acacagctct      300
tcttgacact cagatcctca acagtgactt tcttgaccac ccaaactaat aaagatacta      360
gaaacttttc tcattctccc cccaccacct ttttttgaga cgcttttttg gggctcact      420
ctgttgccca ggctgggtgtg

```

<210> 2683

<211> 427

<212> DNA

<213> Homo sapien

<220>

<210>	2686
<211>	428
<212>	DNA

<213> Homo sapien

<400> 2686

ctcagaagag	cttacggcat	tggggatccc	cttcttgagt	cgtggggctg	gcttcttcat	60
ctgggttgac	ttgagaaagt	acctgctcaa	gggcaccttt	gaggaggaaa	tgctgctctg	120
gcgccgcttt	ttggacaaca	aggtgctgct	gtcctttggc	aaggccttcg	agtgtaaaga	180
gcctggttgg	tttcgctttg	tcttctcaga	ccaagtccac	cggctttgcc	tggggatgca	240
gaggggtccag	caggtgcttg	caggcaaate	ccaagtggca	gaagaccccc	gtccctctca	300
tagccaggag	ccaagtgacc	aacgcagggtg	agctgggtcat	tgtctcgtgg	ccagagggcc	360
cagcagccac	tgtggacctg	gggcgttctg	gcgctgcaca	agactgactg	tggatgtgcc	420
atttgcca						428

<210> 2687

<211> 426

<212> DNA

<213> Homo sapien

<400> 2687

cgttgctgtc	gggatctctg	aatacccatg	ccccctccac	catggccagc	cggggtgggg	60
gccggggtcg	tggccggggc	cagttgacct	tcaacgcgga	ggccgtgggc	attgggaaag	120
gggatgcttt	gccccacccc	accctgcagc	cttctccact	cttccctccc	ttggagtccc	180
gcccagtagc	tttgccctca	ggcgaggaag	gggaatatgt	cctggcactg	aagcaagagc	240
tacgaggagc	catgaggcag	ctcccctact	tcatccggcc	agctgtcccc	aagagagatg	300
tggagcgtaa	ttcagacaaa	tatcagatgt	caggtccgat	tgacaatgcc	atcgattgga	360
accctgattg	gcggcgctca	ccccgggagc	taaagatccg	agtgcggaag	ctacagaagg	420
aacgga						426

<210> 2688

<211> 397

<212> DNA

<213> Homo sapien

<400> 2688

cgttgctgtc	ggtctaaccc	atthttggtt	acacagtctg	accactagca	caatgcctgg	60
cacatagttt	acaaatcatt	taaggcaagc	ttaccatctt	aagacaattt	aatacataga	120
agtgtccctc	ctaaaaatct	gagtttgatt	tagaaatcca	gttatacctg	caggtactga	180
tgactaatcc	cttctttgaa	gacaaaataa	gcagctgtgt	agcttcagtg	gctctcaaat	240
ggataataga	ttcagtgtat	actcgctttg	aactttcctg	ttttttgatc	agctagataa	300
atgacttttag	tgggtaaatg	tctgcctcca	aaaccaaatt	ctgaccctga	tctaagtatt	360
ctactgcacc	gctgtcactg	gaatatcaaa	gttggcgc			397

<210> 2689

<211> 391

<212> DNA

<213> Homo sapien

<400> 2689

gtttaaaact	tttgacaagt	ggtagtccta	ctgtttacac	tcacagttaa	tgttcataacc	60
tagttttata	agctgttctg	taacatagtg	tagcaaaaaa	aaaagttaa	gtcatgttat	120
acaggtgtgt	caaaaaggat	cttggtcatt	aagtattgtg	cagtgcatta	tttattatcc	180
ctaggagaga	tgaaatttga	gaggtgatca	tgtcttttta	aggaaactta	cataatgctc	240

tgcctttttt	tttcttttgg	acccatgggt	attataataa	aaagcatttt	gtacctgagg	300
ggccctaata	gaaaaaagt	ctgctcaaag	gaagtatgaa	gttatatatt	aaatttttta	360
attttaattt	ttaatttttt	tgctgtgaag	g			391

<210> 2690

<211> 416

<212> DNA

<213> Homo sapien

<400> 2690

ggcaccaggt	gtgtgtgtgt	gtgtgtgtgt	gtgtataaaa	ccaaaatgtg	tgacacaata	60
aatgctggca	cagctctgat	ttctttttaa	aagaaaatta	aataggagt	tctggttcta	120
attattagct	attagctact	tctgaaattc	agaaagtacc	ataattaggc	taaagggtta	180
tataatatgt	agtgaatctt	caatgtaata	ccatatactc	tgctattttt	ctttttctaa	240
ttagttgtgt	tacattagta	accaggccat	gccaacacaa	gtattccagt	ccatgtgatg	300
atatttctca	atgtaaatta	ataaactgaa	attctaattg	taaacatttt	ttcataaatg	360
tagttagaga	cccctctgaa	agacaaagca	gcttttgcca	tgctgaccaa	attaga	416

<210> 2691

<211> 412

<212> DNA

<213> Homo sapien

<400> 2691

ggcacgaggg	ctagagtaag	atgataatat	aggtgagggg	ttgtagggat	aagaaggaaa	60
gaggagcagg	ggaggaaa	accctgagga	accaaatacat	attaggagac	gaggtgaaaa	120
tggtactgag	ggagtctgta	ggaagccttag	caggaaaatg	gtgtataaga	acttagggag	180
gagagtttcc	tgaaggaggg	gcagtaattg	cagtatcaaa	tgctacagag	aggagaggca	240
tgatgagacc	ttacaataag	cctttcattg	tatttgctct	ttgggggcca	gtgagaaggg	300
aaaactgagg	gtggtggagg	ctggaagcta	gatcatgatg	agctaaggag	tgagttggag	360
ttgagctatt	tagactagtt	agagctttga	tttaaataatt	tggtagtcac	gg	412

<210> 2692

<211> 368

<212> DNA

<213> Homo sapien

<400> 2692

tacggctgcg	agaagacgac	agaaggagg	aaaggtcagt	cagcctgcac	ttgcaatatc	60
agaatcagct	tgctcctagt	ctagtgacaa	tccttctcac	tgggagatct	gggctgcctt	120
tctgagggca	cactgcaaag	gccaccttct	catctccctc	tggcctgcct	gtcagctctc	180
agagagctga	atggggccctg	ccaccaacag	tctgttgtgc	ctttctgact	gtgacacgaa	240
tgcactacca	cgcaaagaag	ggctccgtgt	cacgagcgct	cctagctggc	tctccgtctc	300
gggtgtccca	ccacgggaac	ttgagaagaa	gctgaacctc	tcaaggcttc	cggtactgct	360
ctttaaac						368

<210> 2693

<211> 388

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(388)

<223> n = A,T,C or G

<400> 2693

gtgaaaagtg	ctcatctgtg	aactctatag	caaattatat	tttagaaaat	actttgtgag	60
gccgggcatg	gtggcagagc	gagactccgt	ctcanaaaaa	aagaaaagaa	aagaaaatat	120
aaggatgtaa	aagaagcaat	ttgcttgcac	atctgaatat	ccttcttggtg	tctccatttt	180
cactcttgaa	aactgaaagc	aatttgactt	ttatTTTTgt	ttttctaaag	aacagctagg	240
tgaaaggagg	ttaagctgat	tgtcactctg	cctgcccact	acctactccc	caccatgggtg	300
tttcatgaaa	catccccacc	acctgaagtg	atctTTTTaa	tccttgatgat	agtaaagtca	360
ttgataatta	acaggaaaaa	catgtttt				388

<210> 2694

<211> 377

<212> DNA

<213> Homo sapien

<400> 2694

tacggctgcg	agaagacgac	agaaggggatg	aacagcagaa	gagaattatt	ctacaataag	60
aaatcaattg	gtctctcaac	tgagaatcac	tagcaagaaa	ctggtaaacc	aaccaacaag	120
tgggtaaagg	aaatgtgaaa	ttatataact	aaataaatac	acacaaacac	acacacacac	180
acacacacac	acacacgcac	acacacaagc	acacaccata	gaataactact	caaccacaca	240
aaggaaggaa	ataatagcat	ttacatttgc	agcaacctgg	atggagttgg	agatcattat	300
tctaagttaa	gtaactcagg	agtggaatac	cacatctcgt	atgttctcac	ttataagtgg	360
gagctaagct	ataagga					377

<210> 2695

<211> 380

<212> DNA

<213> Homo sapien

<400> 2695

ggcacgagag	acagtctccc	cctcagatgc	catgctccca	ctgtaccacc	atgtactgct	60
tcctgagatc	tctgcttcct	tcagtcgacc	cagctgacac	ctgtttcctt	cctaactcca	120
actaattaat	tccagctaata	ggaattgact	ggaattagtg	acattaatat	ttactgagca	180
ttccccatgt	gtcatcagag	ctgtgctaaa	tgctttacaa	gaataattac	ctgccataaa	240
gcaaccctat	gacataggtg	ctactatgcc	cattttgtag	atgagacagg	ttcaggggag	300
ttagtatcac	cttcaagtca	tacagtggct	aacaatctgt	ggtctcgctg	aatgctgggc	360
gcctgctctg	ctaagtctac					380

<210> 2696

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 2696
 atcggcacga gattgattgc tgttgccgaa acttgagggtt acttacagaa tgaagcacat 60
 tttttacata cagtacaaat gagtgtgtgc tttttaaatg gatttaaaat tcaaattgcaa 120
 atctgcagtt taatctccca agtgctgatt tttctatgta taaagtagga gagtgaaca 180
 gcgtatcaca atgaggggct agggagaacg tgtatgtgac ctctagtacc tggcatgtaa 240
 cagacactca gtattacact cctgctatct ctccagagca ggtgaaacag acggccagga 300
 agcacacgaa gagacactca gcatcactgc ttgttaagga aggtgcaa at caaaaccaca 360
 gtgagacgcc acttcacacc tacaagttcg gctagatan 399

<210> 2697
 <211> 408
 <212> DNA
 <213> Homo sapien

<400> 2697
 cgttgctgtc gctggagaag cagccttata cagttgattt tgtgtatgtg gctagtctta 60
 ttgtcactat gtaagtaatc caatgggttt agaaactaaa ctttctagag caataaaatg 120
 actataatgt taagtaaaca taatgttgat ttctaattat gttttaaaaa atgaagtctt 180
 gaattatatc aagaaaatttt ggcagctgaa gtcatgttta ttttgaagct gttagttttt 240
 tcctataatt taaaaagatc ttttagattt atagaagagt cagaaatgta caagagagtt 300
 tttttgttgt tgttttttgt ttttgagaca gagtctgtct ctgtcgccaa ggctggagtg 360
 cagtggcgca atcctggctc actgcagcct ctgcctcctg ggttcaag 408

<210> 2698
 <211> 406
 <212> DNA
 <213> Homo sapien

<400> 2698
 ggcacgaggc aagcatttac agttttaaat ttcccagtc gaataaattc ttattgaggg 60
 caatacctag cctgtcttca tcaaactcat aggtgaatct ttgtcaaacc tataggagag 120
 agatgcaggc catagagatg gtcttgctga aggtcttata gctaaattag ttcagatcca 180
 ggaaccagat tctggaactg attgcaccta tattatgttg tgtgtcagac actcccagga 240
 cctgttttgt aataattagg acagctgaca tacttggtgc taattttgag atctgggcaa 300
 caactgtgta ggctgttctt tcaacctctt tcttcttact tctttacttt tctttcacag 360
 aggagaaagc caccctggg gtatagccac cgctccaatt ctgact 406

<210> 2699
 <211> 374
 <212> DNA
 <213> Homo sapien

<400> 2699
 tacggctgcy agaagacaac agaagggtc tcaaactaat caatcaaaca aacaaacaaa 60
 caaacaacaaa agacactttc tagaagagat agtaacgata tctacctcat gaattaaatt 120
 acttggtgtg aattaagtgc ttactagga ttaccacatc attaaactatt attagtaatc 180
 ttacagtcac tattatcaaa tatgtctcaa aattaatgca acctgtcagt ctagtccatc 240
 caaaagtgcc acagtgtctt ttggaaatta aacaaacaaa ttgcttaaat gtgcatcata 300
 cattcagagt aattcttatt caagcaagct ggttttatat tcatgacaag cattttcaat 360
 tttaatatgt ttgt 374

<210> 2700
 <211> 406
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

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<400> 2700
ggcacgagga gagagagaga gaactagtct cgagagcagn nntttttttt tttttttttt      60
tttttttttt tttttttttt ggcccccccc cccctttttt ttttttttaa aagtcccccc      120
caaaaccccc cggggggggg ggggaaaaaa aacccccctt ttaaggggg gggggaaaaa      180
aaaagttttt tgggaaaaaa aaaaaatttt ttttattttg gggggcccc ccccccccc      240
cggggggggg gggggggccc ccccccccc taaaaccccc ccccccgtag gtttttgggg      300
ggcccccccc cggggggctta aaaagggggg gggggggggg ccccaaattt tcccaaaggg      360
gggggctttat ggccccccca tccccaaaat gtggggggcg gggggg      406
```

<210> 2701
 <211> 395
 <212> DNA
 <213> Homo sapien

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<400> 2701
ggcacgagat ggtctcaatc tcctgaactc atgatccacc tgcctcagcc tcccatagtg      60
ctgggattac aggcaattag aaggaccatg tgactaatct atatcatttt cttagagata      120
aagctgagat ccaggaggct atgctaaaga gacataggta actgtggcca agctacagcc      180
agattccatg tttaagact ctcagttcta tttttctggg tggggaaggg gaatgaaatt      240
ataactttgc aactatctc acttcttcct acctacccaa atagaaagta gttcacgttc      300
acaggacagt ggtctcatgg acttgtttct tttttctttc aaatgaaatc cttaagaaa      360
tctaaaaaca aatgagcaca gatgctctgg ctcaa      395
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<210> 2702
 <211> 394
 <212> DNA
 <213> Homo sapien

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<400> 2702
tcacaatcca atatctgtgg aattcattgt gtatgtttgt gtatttgtgt gtaggtgtgt      60
atgtgtgtgt gtgatacata catacatcac gtatcacaag acattgacct tatatattat      120
gcaactgtgat gtttttccgt ctttaatttt aaaaaacata ctgatcacia ccacaatttg      180
gaaaatgttg ctccatacca tcccatacca acactcacca cctgcaaata atagcattac      240
taggagctgc agtcacaatg aataaatcaa caattcgcta caagatctag gattatttgt      300
gtattttgtt gagagtgcga gcgcgttggc gtgtatctaa taccattgta tctcattggt      360
gagactttgt taaaaatagg gtttctggtt tctt      394
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<210> 2703
 <211> 376
 <212> DNA

<213> Homo sapien

<400> 2703

tacggctg	agaagacgac	agaagggatt	atcctactta	ttattttatgt	tttacctcct	60
gtgtccaaca	cacacacaca	cacacacaca	cacacacaca	cacacacacc	ccttagaatg	120
gggctcctta	agagcagga	ctttatgggt	cttatggagc	aagactttat	gggtccctgc	180
tcttatgcag	ggcctgttca	cctgcacctc	cagaacctgg	aacagtgtta	ggcacaaaat	240
atctgattaa	taaatttgcg	ctgaaagaga	gaatactcca	aaaggttctc	gtatgagtga	300
agtgagatta	ttatctataa	agaattttgt	ggaggcatgg	caccaaataa	gcaccacaca	360
cacagtattt	ccagta					376

<210> 2704

<211> 407

<212> DNA

<213> Homo sapien

<400> 2704

ggcacgaggc	cagtggagct	aaagagctga	gatataatttg	taaatagagt	taataggatt	60
ttctgatgat	gtgggtctgg	ggatcagggg	agagggacaa	tctactgcta	ctgaattact	120
ggtttaagta	actaggtagc	ctttattggg	aaagactgag	aggggaactgg	tttgtgggga	180
aaaggactat	gtttcaaggc	atgttaagtt	ttagatatct	ttgagatatt	caagtggaaa	240
tgtcatataa	gaactggaaa	caaagttcag	gactcagaag	acaggtttaa	aattaagagg	300
caaatttttag	agttatttagc	atacagataa	tattttcaaat	ttaaaagttt	tttaaataat	360
aaatatctgt	ataattatag	aatcacaggg	gattgcaaaa	ataatac		407

<210> 2705

<211> 389

<212> DNA

<213> Homo sapien

<400> 2705

ctccagcctg	ggctcaaaaa	agaaaaataa	attaagggcc	cgttctttct	caaagccttt	60
gggggcctcc	gggggccttc	agaaaaccat	aaaggggcct	ttgaaaaact	ggggcctcct	120
gggaaccttt	ggaaaaaaa	gtaaggggtc	ctttaaaggg	gatcctgttt	tgaaaaaatc	180
gcccacttcg	gggccccac	tttgaaaaag	ggggccgtgg	gttttcctta	cagggctcca	240
aaccaatttt	tttttcctta	agtttttttt	tgggcctcgg	catttaatat	tccaccgggg	300
ttttccaagg	cgggggttaa	aaccacccaa	acctgccag	ggccaggggc	tccccctga	360
atccccaaaa	ctttgggggg	ctaaaacgg				389

<210> 2706

<211> 376

<212> DNA

<213> Homo sapien

<400> 2706

tacggctgct	agaagacgac	agaagggcat	ttagaatggg	gaatattggt	gcagccaact	60
ttgaaaaata	gcttctgcca	cagacactct	ataagaagta	ggttctgtga	ggatgggac	120
ttcttatgga	gtgttagtca	tcaatggagt	ggaaagaatg	cagtcaaata	tgacacctga	180
gactgtatag	tagtgaggct	gattccttaa	aaatcacacc	agaactcggc	caggagtgg	240
ggctctcacc	tgtaatccta	gcactttggg	aggccaaggt	gggcagattg	cctgagctca	300
ggagttcgag	accagcctgg	gcaacacggt	gaaacccctg	ctctactaaa	atacaaaaa	360

aaaaaaaaatt agccgg

376

<210> 2707

<211> 375

<212> DNA

<213> Homo sapien

<400> 2707

tactgctg	agaagacg	agaagggt	gtcaaact	acttttaa	tgaaagta	60
caggatca	gaaattac	gccagaa	cacaggat	ataggtac	caaaatag	120
cagaaatc	tacactcc	accgaga	tatcccga	tcagcagt	atatgagg	180
tcaactgg	atcattgc	gtaaaga	gctagatta	tcgctatc	taaagaat	240
actaggca	aacattag	cagctgct	caaagtgt	cagaacta	tataatgg	300
gaaagaag	caggatatt	agaggtaa	ctcttttt	attcctat	ttatttaa	360
gtaatta	gcgag					375

<210> 2708

<211> 413

<212> DNA

<213> Homo sapien

<400> 2708

ctcctacg	tcctattt	cccccttg	ctttcctt	taacttta	ggccaca	60
tttaggcg	aggggggc	tcattggt	tttggcat	gcagagac	ctgtcagt	120
ctgcttga	ttttccca	tttaagag	tatgggaa	tttcata	tctccatc	180
gaagatag	aagatgct	agaaacat	gttcagaa	ctccgaaa	tgctcca	240
tttggaag	aggccag	agttata	cagagcc	ggaaata	tcccccc	300
cccaagtt	atattgat	gccagatt	actcctag	aggaccca	cacacaca	360
ctccactt	ccttcgc	ttgttc	atcccaa	tggaaat	gga	413

<210> 2709

<211> 395

<212> DNA

<213> Homo sapien

<400> 2709

ggcacgag	gtcattgg	tggtgggt	gtttaagc	ttctggct	ccatcatg	60
tcatactg	agtactgt	atgctagc	acctctgc	tttttaag	taaacctt	120
ttttaaac	ttaaaact	gctgagat	tcctattc	ttgttgag	gcttcctg	180
tgcccgcc	ttttatca	gcaatttg	aagttttc	tttggttc	gacaaca	240
atgtgggg	aaagccag	ataaattg	tacgatag	ggggttta	gtttctcc	300
tgaaaatt	gacttttc	tttccctt	agaatgca	attaaaa	actattat	360
tgaaatga	tattgaat	taacaaaa	aaaat			395

<210> 2710

<211> 383

<212> DNA

<213> Homo sapien

<400> 2710

ggcacgagg	ataagctg	aaaccaag	gaggacag	gagtgcca	aaactgg	60
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cctatcttca	atccagagag	aagtgataaa	ccaaatgcaa	gtgacccctc	agttcccttg	120
aaaatcccct	tgcaaaggaa	tgtgatacca	agtgtgaccc	gagtccttca	gcagaccatg	180
acaaaacaac	aggtttttctt	gttggagagg	tggaacagc	ggatgattct	ggaactggga	240
gaagatggct	ttaaagaata	cacttcaaac	gtctttttac	aagggaacg	gttccacgaa	300
gccttggaac	gcatactttc	accccaggaa	accttaaaag	agagagatga	aaatctcctc	360
aagtctgggt	acattgaaag	tgt				383

<210> 2711

<211> 386

<212> DNA

<213> Homo sapien

<400> 2711

cggttgctgtc	gggccactcc	tccctccgtc	cacctgtcac	ttcgggtagc	tgggaggcca	60
ggtgaggggc	gcgcacgggg	gaggggctg	catagttgag	acagaaaccc	ggaagaccca	120
actgtggcgc	ggcactgctt	gaccgagggg	ctccggagcc	cagctgcacc	ggctgcgggt	180
tgagcgccca	gggccggggg	gcgggggtga	ccgcggcgcc	ccttcgacca	aaggtgcttg	240
aagctcgagc	ccattacttt	ctgtggactc	tgactcgagc	tgcaaaagct	tttctgcact	300
ggttttctca	tctatgttat	gaagataata	attccggccc	taaccgtagt	atgcttgcca	360
gaatccaaca	atatgatgtt	tctgaa				386

<210> 2712

<211> 382

<212> DNA

<213> Homo sapien

<400> 2712

tagggaccag	cgtagtccct	accttttttt	ttcatgagac	aagcgaagac	cacagaggag	60
gtgtggcttc	atcaaaaacc	cactgagaac	gagtgttaga	atcaggctag	gacacattgg	120
actcctcctc	cagggctctc	tgacatccaa	ggccctttga	aatctctctc	cacctgcgaa	180
cagattttcta	gacttctgat	ggaggtgatc	tgagatgaac	aggctctaaa	agcagcctct	240
gcgagcctct	tagagcagcc	gggacctgct	ggagaacaga	acatggccta	tgagcgcaac	300
agccaagtgt	tcagcaccac	ggacagcttc	tctggcctat	tgctggggag	gccacagggtg	360
gggaggctgg	ttgtccaaca	cg				382

<210> 2713

<211> 409

<212> DNA

<213> Homo sapien

<400> 2713

ggcacgagga	gagagagaga	gaactagtct	cgagagcagc	tttttttttt	tttttttttg	60
gggggggaaa	ttttaaaatc	aaaagggggg	ggggggccac	ccttttaatt	gccggggccg	120
ggggcctctt	attttattat	tgctgaaag	gttgcttgaa	cccaggtttt	ccccatccc	180
ttaggaggga	tccccccct	ccctgaaagg	ggggggccca	cccctaaagg	gggggggggg	240
ggggggaaac	aaaaccttgt	cgttgcagcc	cctgtgggtt	ttcacctcac	ttgggggaacc	300
ccataaaaagg	ggccgggtta	acaaaccttg	gttaaaggac	atttaagaat	ggaaaaagggg	360
gttggccaaa	aaaaacccaa	tattttctcc	tgtggcgctt	acccccccc		409

<210> 2714

<211> 408

<212> DNA
<213> Homo sapien

<400> 2714
ggcacgagct gccctcgttc cgcgccatth aggacgactg ccaggtcatc acggcccgcc 60
tggcccaaca gctgcggcag cgcttttaggg agggcgggctc atgcgccccg gagcaggcaa 120
agtgcgtgga gctgctgctg gccctggggc agcctgcgga ggagctgtgc gaggagtttc 180
tggcgcacgc ccgcggccgg ttggagaagg agctgagaaa cctggcctgg ccgagttgct 240
ggccaatgtg gccagctcca tcctgagcca cattaaggcc tctctggcag gagtgcacct 300
tttcaccgcc aaagaggtgt ccttctccaa caagccctac tttcggggtg agatctgcag 360
tcagggtgtg cgtgagggcc tcctcgtggg cttcgtacac tctatgtg 408

<210> 2715
<211> 377
<212> DNA
<213> Homo sapien

<400> 2715
tacggctgcg agaagacgac agaagggcta aggtctgtat tgccagtagt actgaattga 60
ggtcttaaat tccacaagcg taattacaca actatgtgat aaactgcaat atttatccat 120
tcattaaact gtaaaactct tgcagtctca ccacagtttc tcttactagg atctagaaat 180
atttcctatt gtaggctggg tgcagtggct cagccctgta atcccaacac tttgggagggc 240
tgagaagggg ggatcacgtg aggccaggag tttgagagca gcctgtacaa cgtgggtgaaa 300
ccctgtctct actaaaaata aaaaaattgg ccaggtgtgg taacacacac ctgtaatccc 360
agctacctgg gggctga 377

<210> 2716
<211> 388
<212> DNA
<213> Homo sapien

<400> 2716
ggcacgaggg cacatggtag cgggtcagcg aaaagcccag tgctggaccg tgggacaaaa 60
tgggaacaga gcagctagca ctgtggagat gagaagggggc tgagattaga ccgaggggaag 120
gagggagtac ctgacaggct tccacaagcg gaaggtcgag cgaaagaagg cagccattga 180
ggagattaag cagcggctga aagaggagca gaggaagctt cgggaggagc gccaccagga 240
atacttgaag atgctggcag agagagaaga ggctctggag gaggcagatg agctggaccg 300
gttggtgaca gcaaagacgg agtcgggtgca gtatgaccac cccaaccaca cagtccaccg 360
gaccaccatc agtgacctgg acctctcg 388

<210> 2717
<211> 396
<212> DNA
<213> Homo sapien

<400> 2717
ggcacgaggg ggaactgggg tccggaggac gcccacgcc tcttggccag ggcctccctg 60
atcatgctcc cgtggccact accctggcc tcctcggccc tcacctgct cttcggggcc 120
ctcacttccc tgttctctct gtactgctac cgcctgggct cccaagacat gcaggcccta 180
tgggctggga gccgagctgg ggggtgttcgt ggtgggcctg tgggatgctc ggaggccggc 240
gggccaagcc caggggggtcc tggggatccc ggggaaggac ctaggacgga aggcctagtg 300

agccggcgccg ttcgggccta cgcaaggcgc tactcctggg ctgggatggg tagagtgagg 360
cgggcagctc aggggtggccc acgccctggg agaggc 396

<210> 2718

<211> 386

<212> DNA

<213> Homo sapien

<400> 2718

cggttgctgtc	gagcgtgggc	cgcagcacca	ccagggccga	ggtggacctc	gtcgtgcagg	60
gcctgaagca	ggccgtggcg	cagctggagg	accaggccta	gcactggggc	cgccctcccc	120
accccgtttc	tgggaagccc	gtggcagggc	acagggttgt	ccctccagtt	ccctcctgag	180
ggctgtgcc	ggatgactgt	ctcatgcccc	ctctgcattt	tgtcctggag	tgccagcgag	240
tgtgcacccc	cagtttccct	ccctggaacc	ctgcagagct	cacagggccc	aggacaccaa	300
cgccgcatag	gaccgcccac	atgggaacgc	ccacatggga	ccgcccacat	gggaccgccc	360
acatgggacc	gcccacatgg	gaccgc				386

<210> 2719

<211> 371

<212> DNA

<213> Homo sapien

<400> 2719

cggctgcgag	aagacgacag	aaggggtcta	gaagctgaat	tagttgcact	atccccctgat	60
cagaagggta	gtttagggcag	gcattttccc	cctgggtttt	gatctcttgg	ccccaaagcc	120
atgctgagga	caggtgcttc	cctgcctagg	ctacctctcc	cggcctgtcc	ctggctccct	180
ccctgccc	ccctggctct	ctccctgccc	cagggtagag	gtggaatgag	ggtatgagag	240
aatagcctga	gacacaggca	agggcatgg	tgggagggca	gtccaggagg	gtgggactga	300
tcttgaccct	gagtcctgat	gtcatgggtt	tttcttccct	acttcttgtc	aggaactgct	360
gtgggttttt	g					371

<210> 2720

<211> 389

<212> DNA

<213> Homo sapien

<400> 2720

tacggttg	agaagacgac	agaagggtca	tgagtcaact	tacatagatg	accacaggtt	60
cccgcattgg	atcttgacat	ttagaatatt	ctgttgga	gtggaggcag	gaccatagca	120
gagggatgaa	gtcataggac	aacgaaggcc	tgttctcgac	tacacagtgg	ccaattcctg	180
tttctgtggg	agtgaccacc	agccccaccg	gctgggaggg	agtaagtgg	gatggatatcc	240
agcagaagtt	tcctgagaaa	cccgtggagt	gtcctgatat	agccttgtgg	acctgctccg	300
tgtgtgtgcc	ctcacctttg	tgtgtgtgat	tttgcattgt	tatgtgtgtg	cctgtgtgag	360
tgcacatgtg	tggtggcatg	tgtgcatgg				389

<210> 2721

<211> 404

<212> DNA

<213> Homo sapien

<400> 2721

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ggcacgaggg ttacagggct ccagatcagg gagggccttg tgacttgtga ctctgagtga      60
gatgggaagt aactggggag gctgatgcga ccagagatgt tttaacaggt tccctctggc      120
tgccgtgttg agaaaagact gcaaggggga agggtggaag cgaggagagc agtttgaggg      180
ccctttgcag gaatacaggg gagaccaggg ggtggcagtg ggaggggtgag aagtggtcag      240
cccaggccca ccacagaacc acctctggca ctacaattcc tgtttgatgc aaggatggct      300
gcttttctta cctgtcacc cgtgatgtga aatcatgcat ttagagcaac ttggtaaata      360
ttaatttgtc aacaaatatt agctattaat atcagtatta agcc                        404

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<210> 2722

<211> 384

<212> DNA

<213> Homo sapien

<400> 2722

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ggcacgagag tacctgacag gcttccacaa gcggaaggct gagcgaaaga aggcagccat      60
tgaggagatt aagcagcggc tgaaagagga gcagaggaag cttcgggagg agcgccacca      120
ggaatacttg aagatgctgg cagagagaga agaggctctg gaggaggcag atgagctgga      180
ccggttggtg acagcaaaga cggagtcggt gcagtatgac caccccaacc acacagtcac      240
cgtgaccacc atcagtgacc tggacctctc gggggcccg gctgctcgggc tgacccacc      300
tgagggaggg gctggagaca ggtctgagga ggaggcgtca tccacggaga aaccaaccaa      360
agccttgccc aggaagtcca gaga                        384

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<210> 2723

<211> 403

<212> DNA

<213> Homo sapien

<400> 2723

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ggcacgagga gagagagaga gagagagaga gagagagagt tagagagaga gagagagaga      60
gagagagaga gagagagaga gagagagaga gagagagaga cccctctct ctctgagagt      120
gtgtgtcact ctgagtctgt gtctctctgt gcgcgagaga ccccccccc cttctcttgt      180
gagcgcgcgc tctctctata gagaggggcg cctcgacccc cccctccttt ttgtgtgtgc      240
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acgcaccccc ctcttttttt tgtgccccac cctctctctc gtgtggggtg tctctctctc      360
tccgcgaggg ggtgtctttt tttctctctg aggcctctctc tgt                        403

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<210> 2724

<211> 397

<212> DNA

<213> Homo sapien

<400> 2724

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gaggatcaaa gtctggtgta gaaataacag cggatgaagag tttgactgtg ctttccgcct      60
ggcacaggag ggattatatt cattgtatcc atttattaac tcattaatta ttactgtatc      120
aatggaagat gatttgatac tgttcaccca ggaaaatccc ttttttagaa aactcagcag      180
taagacctac agatcagcaa aggacctgac aaagggaacc atcgtgctga agtatgaacc      240
agattctgtc aatccagacg ctctgcagag tcccatcgct ttatgcggat ggcgatgaaa      300
ggcctccatt ccaacttttg tgccctagaa tgaacggctt cattatctca agatgatgga      360
gctggaggta ttgggagaaa agaacaatga aggagtgt                        397

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<210> 2725

<211> 392
 <212> DNA
 <213> Homo sapien

<400> 2725
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 cccagtcctt gccctcggac cagccgggtg ggaccttcag cctctgacc acttcggata 180
 ccagcagccc ccagaagtc ctcgcacag ccctggccac aggccagctt ccaggccggt 240
 cttccccagc gggatcccc cgcacctggc acgccagat cagcaccagc aacctgtacc 300
 tgccccagga cccacagggt gccaaaggtg ccctggctgg tgaggacaca ggtgtgtga 360
 cacatgagca gttcaaggct gcgctcacga tg 392

<210> 2726
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 2726
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 accggagctg gatggttggt aatcacaatg gtgtttgcct gattcagaag caggaacccc 120
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 aaggatgga gcctatagag gtgcctcttg aggaaaatag tgaacggact cagattcgcc 240
 aaagcagggt ctgtgctgac agagtaagta cttatgattg tggagaaaaa atttcaagct 300
 ggttgtcaac attttttggc cgtccttgct atttgatcaa acaaagttca aactctcaa 360
 ggaatgcaaa gaagaaacat ggaaaagatc aacttcttgg ag 402

<210> 2727
 <211> 411
 <212> DNA
 <213> Homo sapien

<400> 2727
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 tacatgaagc gcaagtggga tggtgaccac tatgatgccc tgagggactg cctcaaggcc 180
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 ctcaagtatg tggctgaagc cctggagtgc ctggacgact tcaaagggaa atttccggag 300
 caggcccaca gcagcgttg tgatgcattg ggccgcgaca tcacagctgc cctcttctct 360
 aaaaatgatg gtggtgagtg ggcactgagg aggggtgct gttactcttt c 411

<210> 2728
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 2728
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 tggttgaaga atactaccag attactacag cccggccatg ctgggcctga agaccgacca 180
 ggaggtcctc ggggagctgg tgcgggcgaa gctgccggct gtgggggccc tgatggagcg 240

tctcgggtgtg	ctgtggacgc	tgctgggtgc	ccgctgggtc	atctgcctgt	ttgtggacat	300
cttgcccgtg	gagacagtgc	ttcggatctg	ggactgtttg	tttaacgaaa	gctcgaagat	360
tatcttccgg	gtggccctga	ccttaattaa	gcagcaccag	gg		402

<210> 2729

<211> 359

<212> DNA

<213> Homo sapien

<400> 2729

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gtgataagtt	tgtaggctaa	aggggcaaat	gctttaggaa	aatttcgtag	caatatgttt	120
ggtgtttaaa	gtagggaagg	tctgagttag	agattgcagc	taaaagctgt	ttattactaa	180
agtgaaggcc	agttatcagg	aggatctgaa	cagggaagga	aaatgggctg	aaatcacaag	240
tttgagttga	cagctgaatg	tttctaggga	gtcaaatac	cctaggattc	acattgagtt	300
aactgggagt	ggcaagttga	ttgatagtag	tgaggacaga	gagacagtca	aagaaagg	359

<210> 2730

<211> 347

<212> DNA

<213> Homo sapien

<400> 2730

tacggttgcg	agaagacgac	agaaggggtt	ttgttttttt	aattctaaaa	aaaaacaaat	60
gttaggcaa	acagatccct	agatcccaact	cattgattct	ggcgggtattc	ctaaagtgg	120
gcttagggg	tcagaatttt	ctggatcttt	gctaatacaa	gctttagatt	taatttaacc	180
aggaccacat	gcttgtcatc	tctctgatgc	aaattttcaa	aatcatttta	atttagattc	240
taatgtctgc	ctgggttttt	aacaggctgt	gaaccagtga	gtgccttggt	aatgtagaat	300
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<210> 2731

<211> 342

<212> DNA

<213> Homo sapien

<400> 2731

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gtgaactgag	gtttttacca	caggcagtga	atgaccttgg	ttcaccaa	ttgcctctgt	120
tttgaggggc	ttggtccaga	gtgacttggt	aatttactct	aacttccttg	tgtgttgatg	180
ggtaagtaca	ctcaaact	gaatacaggt	gtgtgatggg	tagatttcac	agcccttcta	240
ctaatagtga	gtgtgaaggc	aagcttgatg	caaaacctcc	tgacctttcc	tacctgaaga	300
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<210> 2732

<211> 335

<212> DNA

<213> Homo sapien

<400> 2732

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aggagcctca	gaatatcttg	atgttaacaa	aagagtctctg	tatttacaaa	gttgagagaa	120

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cactcatcaa gagttaggag taaggcccag tgtgggggttc cctctggtaa taccagcatt 180
ttgggaggct gaggtgggag aatcacttga ggtcaggagt ttgagaccag cctggccaac 240
atagcgaagc cccatctcta ctaaaaatac aaaaattagc cagctgttgt ggtacgcacc 300
tghtaatccca gctacttggg aggctaaggg aggag 335

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<210> 2733

<211> 345

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 2733

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cttgggaact cttctactag aatggccttc agggcttggc atgttccttt ggtttaccct 120
tagagatgag aaatcctcct cctttgagga tggatttaag ttctggaaat aatctcaagt 180
gcttgatagc acagctggat gaaaaaagat ggcaattaag gtaagttaca ccatttttgt 240
ttctaaaaaa tccctaagaa atttcttggg atgagtcctt ggccctcagag cctctcaaag 300
tgtccacttc aaggggggat catcctcatt agcacacaga ttttn 345

```

<210> 2734

<211> 336

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(336)

<223> n = A,T,C or G

<400> 2734

```

tacggctgct agaagacgac agaaggggtg gaccttgggc aagtgacttc atttttctaa 60
gtctgttttg tcttttatga aatgaggata ataatagcac taacctcatg gtcattggga 120
ggattgagat aatgctaaaa gcaccccttag cacagggtct ggtaatttaa taaaggttta 180
ataaatatta ccatatgatt cttattactg tgaacagtta agaaatagta aagtgatata 240
taatgggtga gtacgaggca tgagaacaca ggccaacgtg atgaattgcc ccatgaatag 300
tgctgtgtat aaccctctcc aggccagggt tcatgn 336

```

<210> 2735

<211> 356

<212> DNA

<213> Homo sapien

<400> 2735

```

ttatcggctg ccagaagacc acagatgttc ttctccactg gcagctgaaa agtctttgca 60
aagatccttg accctgggct cttccctatg atttgccaca taacacagga cagcaccat 120
agacctacac aacaaaatgt acagttttcc ccccttatcc atgggggata tgttccaaga 180
ccccagtgat atgcctggaa gtgtggatag tactgaacct tagatatgca gtgtctggat 240

```

```

agaaggaaga ggataagagt aaaaggggga ataaagaatg tggaaggcac agagtacaga      300
gagtaaatga agggaaaaga agcaagtgga tatgatggag ggtggtaaaa ggaaaa      356

```

<210> 2736

<211> 351

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(351)

<223> n = A,T,C or G

<400> 2736

```

tacggctgcg agaagacgac agaagggagg gtggggggag ctcaggctcct aaatgtgagc      60
ctcatcacag ttcttgtctt cagcagccca cccaaagccc tccttcactg cctgtcacca      120
ttttcatacc ctctagagtc acttatcaca aaagtaacaa tcacaatcct tggaaagggtg      180
tcactatacc ttaataaata agcagggtata catgtgtgga tttgtacatc ccaagagggtg      240
ggactgatga gagacagcag cccccattc ccccaaatc aatgaacaaa cctggtaaat      300
actctctcca tccctgtgct ccttcagctc aaatattgtg actctctttt n      351

```

<210> 2737

<211> 344

<212> DNA

<213> Homo sapien

<400> 2737

```

tactgctgcg agaagacgac agaagggagg agaagataaa cagttacaag agccccagtc      60
gcatgaaaaa aaagtccaga atgctctgct cagaggagac ccaattttct gaatactgag      120
ccctgaggaa tttcaccact gggtttccca taaatgagac cccctgtgac ctgggtgggcc      180
ccatccctcg gaagtgtacc ctggcatttc cataggactg ctcccttctg ggccctcttag      240
tgcaagccag cagtgcaatg ccacatccaa gtttggtaaa tcaattctaa gtgagataaa      300
ttaatgcctt ttttggggga agatgggaaa cagagtgggt ttgt      344

```

<210> 2738

<211> 353

<212> DNA

<213> Homo sapien

<400> 2738

```

tctacggctg cgagaagacg acagaagggc tggctctcgaa ctctgacct caagtgatct      60
gcctgccttg gcctcacttc tttattttaa accatctcat ccaaccttac aaaatacttt      120
caattcagtg accgcagcag tccttcaat gctgcatgag cctgggtgcat gagcctgtaa      180
ctgttttccc tcctctaaga gcagtgtccg tttcttcctc atcctagagt ctctgttgcc      240
tagcacagtg tggctaatag aggtgctcaa gaaacatttg ttgagtgaat tgcgtaaatg      300
gttataatca catctgaatt aataaataac ttaaaatgcc actgccgagc ttg      353

```

<210> 2739

<211> 342

<212> DNA

<213> Homo sapien

<400> 2739

tacggctgcg	agaagacgac	agaaggggatg	tgtattatac	tcatatgtat	tacacaaata	60
tacatattct	acaaacaaaa	aaccctaaca	gccaccaagt	aatgggggac	cttgtaacta	120
actgctcaac	cctaaagaaa	tcctcaaacc	caagtatcca	ctaaggctgg	attcaacaaa	180
tgTTTTtagg	gccacagtaa	atatttcagg	tttggcaggc	catatagtca	caattactaa	240
attctgccat	cacagcagca	aaagcagcca	cagacaatac	ataaacaaaa	aaacaaacgg	300
gtgtgctgcc	tgtgttccag	taaaacttta	tttatggaca	tt		342

<210> 2740

<211> 336

<212> DNA

<213> Homo sapien

<400> 2740

ttatggctgc	gagaagacga	cagaagggat	cagctttctt	agttcaggcc	acctgcaacc	60
tccttctagt	agcaatcaca	cccccagcag	cctggaacta	gagtattctg	ccaaagcaga	120
aaccctgtca	ctctactcac	ctatataatg	atTTTctgtg	aacttaggta	tgaagttgaa	180
aatcctcaac	ttgtcatata	aggetcttta	tgTTgtctct	gcttttagtg	ccaccaatct	240
accaccccat	tcactctccc	actcccaacc	ctacacatgc	acaccctctt	cacattcaat	300
ttcttctctt	ttctccctct	ccgtccagca	atactg			336

<210> 2741

<211> 341

<212> DNA

<213> Homo sapien

<400> 2741

tacgtctgcg	agaagacgac	agaaggggtg	tgtgctgtac	aaaggaatgc	agagatatac	60
gtccgatgca	gctttcatct	tttgggactt	ggcttggcca	ttacttctga	ctttcctcac	120
tcgtcctctc	cttggccacc	ccgccccgtg	tgcacccata	aatctgggtg	gcacccacag	180
atcctatgcc	gctctgcata	ccgagtgtcc	tgcagctgtg	tccagtgtgt	gacacactat	240
cctggcagtg	tgcaggccca	tgTTggacag	ggccctgccg	cttccttggc	accttgtatg	300
ctttcagtaa	gcacttgctg	gacaaaggca	gaaagggctg	t		341

<210> 2742

<211> 340

<212> DNA

<213> Homo sapien

<400> 2742

tacggctgcg	agaagacgac	agaaggggatg	aggtgggtgt	cctaggctgg	gatgggggat	60
ggtgcagtta	cttgtattga	caaagcttag	gttgtggata	tgtagatggg	agatggagga	120
ggaagaatca	caggccaact	gaatgtggag	tcagaccacg	gtgttcagtg	gatcttttgt	180
gtgcatgttg	aaattgccac	aagtgatgat	ggaagtagtt	agtgggtgtg	gaaaggacag	240
tgaggggata	caggaattaa	atcttgaagg	aatgcttctg	gataatgagt	ttaatccaaa	300
aactcattgg	actaaatgaa	ttttgtccat	cgcttcaaa			340

<210> 2743

<211> 420

<212> DNA

<213> Homo sapien

<400> 2743

ggcagcaggc	ggacgggtggg	caccggccccg	gccgccacca	cctcgctcac	aatctggcca	60
cttgggaaga	aaacgtctat	ttttttcccc	ttctctgcat	cacttttttg	gtttttgttc	120
tttttattct	tttatttttt	aaacccatga	tcttttttcc	tgtgtccaag	tgactgtgtt	180
gcaggcgggc	cggctctggc	agggactggg	ggggacgcgg	ggagcggccc	aggccctgc	240
cccgcggggc	tcagcctccc	atgcgctcgc	gcttgccctgt	gtcccgggct	tgtctgtgaa	300
gtgggcgtga	agatcgttgc	caccttccaa	cctacctcac	aggggtgttg	tggggacacc	360
atgatctctg	gattgttcat	gtcgtcgtgc	tgcgccggga	gccaccgccc	tccggagact	420

<210> 2744

<211> 438

<212> DNA

<213> Homo sapien

<400> 2744

tgcaggatac	catcgagctg	gttgtttggg	cctaagcggc	ctacggctgc	gagaagacga	60
cagaagggct	tgggtggttg	aataggtaat	cagacaaaaa	ctaaatgaat	tttaattggt	120
atgaatatag	actcactaaa	tcagtggaga	cctgtgtaga	cacaaatcaa	gattttgtct	180
aaggatggta	aaaatacata	tctgggcctg	tggtgcctg	aaagttaa	gagagttaca	240
tattttaaat	actgaataac	ttttgaaaac	agcacgacac	tacaactacc	attattacta	300
atagctaact	ttcaccgagt	acttacttga	gccaacattg	atctaaaccc	tttaccattga	360
tctgagccca	tttaccagc	agatgcaaac	aggatcagag	aaagcacaag	gtcatctttc	420
ctccctaggt	caactgaa					438

<210> 2745

<211> 420

<212> DNA

<213> Homo sapien

<400> 2745

ggcagcagca	gaaatgaaac	tgtcaaaaaca	tcgatcagta	caaggaaggg	acacagggct	60
tagaatgtcc	acagtcttgg	cagtggactt	ggcagttctc	ccagtaagca	gaagtacttg	120
agcttaattc	tgaacttcaa	agtaatat	tatactta	tttaggagtt	ttcatttaca	180
tattgaaaaa	tgcttggact	gtattcacat	aaatgggtgt	aaaacattgt	acccttata	240
agaactgcag	caatccacag	taatgttggg	tacttctgag	tatttgataa	aggaaCaag	300
tcaaaatgaa	tgtattta	aagcttctt	ctcatttcca	ttgtttttat	aaaaatattt	360
tggtattgtt	gcctgcattt	tagccacttc	taactttttg	tattatgaat	ttggagagga	420

<210> 2746

<211> 424

<212> DNA

<213> Homo sapien

<400> 2746

tgategcatg	aaccaccgg	cttgctcgct	tggtcttttg	gccgaaacgg	cctacggctg	60
ccagaagacg	acagaagggg	cttctccagc	accagtgct	taatctcctt	ggcctggaat	120
acgaggcctc	cggactggga	ccctgctgct	tctgcagcac	ctgggtgtcta	agtgcctcct	180
tcttgatgtc	tgctcttcag	tcacaaggag	ctgctcatct	ctccctgagg	acacacgtgc	240
acaaacacac	acacatgcac	acacaagtgc	acacacagag	aggagcgtgc	tcttctactc	300


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cttctccctg cagtccctgg aatgcacat ctgtcctaaa ccaaaggccc accccctccc 360
tgaagtcac cctgggtctca ccaatcacag gtccgatatg caaaacaca gatataactt 420
agag 424

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```

<210> 2747
<211> 343
<212> DNA
<213> Homo sapien

```

```

<400> 2747
tacggctgcc agaagacgac agaagggcac tgaatgaact ttaattgggg ttgttaaaag 60
acagaattaa cgaagtctaa tttttataat gaaataagtt tttgatattg ctctacttgg 120
acgatttttag tgaccaaacc tatggataaa actgcctaag cataacatta atatatttag 180
aatggcattc ttcagtgtca gtatttgaaa ttggaattag tacattgtgc attcttagta 240
ggctttatcc ctagaatcaa ttctctcagc atcaccaaac tgaattgggtg aaatagtgtc 300
aagattctgg gcaataggaa gattagttaa tatgatacat tgg 343

```

```

<210> 2748
<211> 337
<212> DNA
<213> Homo sapien

```

```

<400> 2748
tacggctgag agaagacgac agaaggggtca tcatatttta tacgttgatt ctgaactata 60
gaaaaataat aaatgggatt ttaattatag ctcttagttg ggaaagaaat atagagagat 120
gtgggatttg aatgcccatg aaagacattt tattttactt gaatatattc ttgcttcact 180
ttaccctcca taatatgttg tacattagtgt ctgatcaagt ttacagagtt acattttgct 240
ttcctaacca ttcagtcagg aattaaaata tggcattgta taacaactgg gaagaagctc 300
atagtggata taaattagag tagataatgg gtcacct 337

```

```

<210> 2749
<211> 406
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

```

```

<400> 2749
ggcacgagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttggg 60
ggggaagggc ttttttttga aaattggggg aaaaattttc ccggccccc gggaaaaaac 120
ctgggtcccc ggggaaaacc ttttacccca aaggttttaa ccgtgggcaa ttaaccggaa 180
cctaaaattt tgggaacata aattgggtggg gggcccaaag gaagggaaaa aaaaaattcc 240
tttctttttt tccccccctt ttttttaaaa aaaacccccc cccccccctt aatatttttt 300
ttagggggcg cctttttttt cggggccttt gaaaaacggc tttttttttt cctttccccc 360
cggaccaggg aaaaaggggc cccttgtgaa aatttaggga aaattg 406

```

```

<210> 2750
<211> 371

```

<212> DNA

<213> Homo sapien

<400> 2750

tacggctgcg	agaagacgac	agaaggggtgt	gtagctatt	actgctcctc	ctcctgactg	60
ctgtcatttg	ttgagcatct	gttgactaa	gtgcttcta	tattcagtaa	tcttttttaa	120
caaccctcaa	ccctgaaaga	cagttaatct	gttaggtgca	ctgttacttt	atggattagt	180
ttatgatttg	gttcattaag	cctttattaa	gcaattgcta	accgccaggc	atctggatac	240
ttgactaagc	agcaggtata	aaagttaaac	gaagtatagt	ccttacagtg	ttttagaaga	300
gattatagtc	tcatagactc	gggtaggtta	agcaaattac	tagtcacaca	gctaataaga	360
gacagctgag	g					371

<210> 2751

<211> 340

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(340)

<223> n = A,T,C or G

<400> 2751

tacggctgcg	agaagacgac	agaagggcag	actttgctac	ttagtacaca	aacgggggttc	60
ccttttaa	ttgttca	tagttagcat	ttgcagaagc	tgtgaaaaat	tacagagaga	120
tgatgtgttg	ggtaagagat	ggtttaaaag	tccagcttgc	tgtttttcat	taagtgtc	180
gaaaatgagt	aagtggcg	cctggagggg	aacaatcata	taattccgca	gggtgggtct	240
aaacttg	tctgatagtg	tttagcagct	catggctctg	agggcacctg	ataacacagc	300
agccaggcgc	tgatgagaag	tgtgtgccag	acagacccgn			340

<210> 2752

<211> 397

<212> DNA

<213> Homo sapien

<400> 2752

ggcacgagcg	agaagtcacc	tttctccaga	tcactctgta	gagtcagtgg	actcaataca	60
gtggcagcag	gattttaata	taaactggca	gactgattct	aaaatttaca	tagaggccag	120
ccgtggtggc	tcacacataa	tcgcagcact	ttcggaggcc	actgcaggaa	gatcacttga	180
gcccagaagt	taaagaccag	cctgggcgac	agacacttcg	tggttattt	ttttttaatt	240
attaaaaacg	aaatttaaac	caggtgtagt	ggctcacc	tgtaatctca	gcactttgga	300
atgctgaggt	gggcagatca	cctgaggtca	ggagttcgag	accagcctgg	ctaactggc	360
gaaaccccg	ctctactaat	aataccaaaa	aaaaaaa			397

<210> 2753

<211> 350

<212> DNA

<213> Homo sapien

<400> 2753

gcctacggct	gcgagaagac	gacagaaggg	cagctgcatg	cctctctgcc	tcctctgtct	60
------------	------------	------------	------------	------------	------------	----

```

gccacacctcc tcttgcagtg tgctactctg ctctgtgact gctcctcatg cagctcgcag      120
ccatgtttcc tctctgcttc ttgatttgct tcagctcctt ctagtgccctt gaaactgaag      180
ctggcctgta gttgggatca aagatggagg gagaggggag attgtactat ggatagtgta      240
gggcaagaag tgaattctta cactggaatg ataaaaggaa cctgcttcct gagtttctta      300
aaattgtgtc tggaactcag atttgcactg ctagtatag tagctgctgg      350

```

<210> 2754

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

```

<400> 2754
cgttgctgtc gatttatata tattatacaa aatattatth gcatttaaca tattctgaac      60
caatagtctt ttctacaagc agaacattaa tattcttgct actctgaatg taggcacaga      120
tttttgatcat tctttatctt ttttgtgtgt gtgtgacaga gtctcactgt caccaggctg      180
gagtgcagtg gcgtgatctc ggctcactgc aacctctgcc tcccagggtc aggcgattct      240
cttgcctcgg ccttttgagt ggctgggggt gcaggcgcgt gccatcacgc ccggctcatt      300
tttgtatttt tggtagagat ggggttttac cgtgttggtc aggctgggtc tgaactcttg      360
accttgtggt ctgccaact n      381

```

<210> 2755

<211> 388

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(388)

<223> n = A,T,C or G

```

<400> 2755
tacggctgca agaagacgac agaagggata caatcagcta gaaattacac ttatgccatc      60
tcctaaaaaa taccatgcag gattttgtga atgaattact ggaaatccat ctaaagtctt      120
ggaagacaat tctaaatgca taactttctc atggctctaa gttgtgctgt tcactatggt      180
aaccattatc cacatgtggc tgtttgtggt aattttttac attaatttaa actcaattac      240
actagccacg tatcaactgt taaataataa ccacatgtgg ctagtgccta ttacactgaa      300
cagcataaat agagaatatt tccatcttca tagaaagctc tcttagaagc atttgtctaa      360
aatgtcatct tcatgtatga taaatagn      388

```

<210> 2756

<211> 368

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<223> n = A,T,C or G

taaggctgcg	agaagacgac	agaaggggttg	agagactttg	cattcctctc	ttccccagca	60
ttgaacatag	aagctctgta	atgttagagc	catgaaattg	acccaatctg	gattgatgat	120
aaagacagct	gcctgaaaaa	gtccctgata	taagcatgaa	tgaagataaa	actttatgtc	180
ttaaattatt	aagattttgt	ctttgtaaca	gaagcattag	cctatcctat	cctgactgat	240
atgaagccat	ttacagcttt	taggtagaca	tgtaacaagg	tcagatttgc	atttttaact	300
atcactttag	ctgtagcatg	gagaatggat	gagagggata	tgaagtcggg	aggtgttcna	360
ctacctcc						368

<213> Homo sapien

cgattcgaat	tccggttgcg	tcgagagccc	ttcctccctt	tccacatggg	aagcaactgag	60
cccaattttct	tctcacccca	cagatgggtcc	ctcagagcag	agatgtctaa	tgaaagggttc	120
agattcagat	cactaaacttt	ccatctttcca	ctttttccag	tggtggccat	gttcccccggt	180
ttgccttcac	aaaaaaccttg	tgaataatac	aagcccatatg	gactctgatt	tacagtttag	240
aagatgagca	gaggtgggtg	tgagttgccc	agtcattgttg	ctagttgttg	aagaaactag	300
gattgtttctc	aggtcttggg	ctcctggccc	atagaccagt	ggctctgtgt	tctgatgggg	360
tattgggga						369

<213> Homo sapien

ggcacgaggc	cacttgtaaa	agctgaactc	tagtctgtgt	cctccattct	gccccgcgcc	60
ttctccccct	tatttggttaa	atgaagcaac	atagtgagac	gtcgtctcta	caaaaaaaaaa	120
aaaaaaaaaa	aattagccag	gcatgcgaaa	cgctgagggg	ggaggatcaa	atgagcttgg	180
gaggttgagg	ctgcagtgag	ccttggtcat	gccactactg	cgttctagtc	tgggcaacag	240
agtgagacct	tctctcaaaa	aaaaaaccca	aaattgtaaa	attacttcta	tagctatatt	300
ttatgataaa	aaagggatgg	tttctcaaaa	tgcattttaa	aagacgtttt	atggaacttg	360
ttggaatggg	gacttaggag	ttttgatttt	gataaaaaac	tggaa		405

<213> Homo sapien

ggcacgagat	tttgccatgt	tgctcgggct	ggctctcgag	ctcctgagct	caagcgatct	60
gctgccttg	gcctcccaaa	gtgctgggat	tacaggcgty	agacacacca	tgccctgcct	120
ctcaatacac	tatttaatac	atcagaccct	ttggtagctc	taggcagagg	accgcaatta	180
atttatgagc	agctgttgct	gtatacatgt	aattatgttt	gactacaaat	gcattctttac	240
aaaatggggc	tagtggaatc	ataatataaa	tggttcagat	taacttaatt	cagattaaga	300

aaattgtttc atactgaggt aagcgattga aaaattgtct atttaaaaat gcagtgcatt 360
ttaaagagtt actatgtgag gatctaaaat atacagaga 399

<210> 2760

<211> 375

<212> DNA

<213> Homo sapien

<400> 2760

tacggctgcg agaatacgac agaagggtaa ggtgctggga tatggctgag aacaaaacaa 60
agtccccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggtaga 120
caggcaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaacaaa 180
gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaaagtagc cctgatacca 240
aggagacaat aaaccactac ttcaggactt ctagttattt aagacaaata aactgggttt 300
gtttaagact ctgttaattt ggttttcttt acttacagct gaatgaattc ctgagaccgt 360
gtgtaggaag gtgca 375

<210> 2761

<211> 374

<212> DNA

<213> Homo sapien

<400> 2761

ggcacgaggg cagaggttgc agtgagccat gattgcaccc ctgcactcca gcctgggcaa 60
ccaagtgaga ctgcttcttt taaaaaaaaa aaaaaaaaaa aaaaaggggg caaaagtttg 120
ggggggggcc cccaattttt taatttttta aaaagtttgg gcccgggggg gggggcaaat 180
ccctgaaacc cccccctttt ggaagcccag ggggggggga ccccgggggg cggggatttc 240
aaacccaccc tgcccaccgg gaaaaaaccc ccccttttat aaaaaaaaca aattaacccc 300
gcctaagggg gcctcccttg tatccccctt tctccggggg gggggggagg gaaaaccttt 360
taacctgggg gggg 374

<210> 2762

<211> 375

<212> DNA

<213> Homo sapien

<400> 2762

tacggctgcg agaagacgac agaagggacc tcattacagg agtaggagtc catttcatac 60
aaccttggat tgtgtggcat cagcagcttc aacactgaac cagttgtcag ggagggtaga 120
aactgacccc ttcaatgcaa actatctatg caaactgacc ccttcaaagg ccattgtgag 180
caggattatc cagatgttag ctgccacctt caggggaattg ctgttctagc tttgctttgc 240
tcaactggctc tgtgccacat gatgagcctg cactttcagc tcagctgctt tgtgctgctt 300
ttactgagtt tggctgagac tctttgagag aattctctga cctaggtcag taatttagat 360
aatattttgt tagtt 375

<210> 2763

<211> 398

<212> DNA

<213> Homo sapien

<400> 2763

```

cagaagcctg gattcaattt tcattcctga taaattgtac gaactttggg cataaatatt    60
tcaacttcag cctctcttcc tctgaagtag gatttatagg accctttgcta tcttgaatta    120
cagtgatatt tacttagaat gggttaattc catttaaaac tttttttttg ctgctcaggg    180
aaaagtgact tgataacaca cagagtgacc cctcatgttt gcaaattcca ggggccatgc    240
ctagtgactg cataatacga ggggctggag ccctgatccc tgtcataagg catgtaacag    300
cctgcatccc tagatttcag ggataactct ctgaagcctg gaaagggcca gtattccaca    360
ggctgcgccc tctcatgctg tccattttga gtaacccc    398

```

<210> 2764

<211> 376

<212> DNA

<213> Homo sapien

<400> 2764

```

tctacggttg cgagaagacg acagaagggg tttttaaatt gttacaaaaa aatcaactaa    60
attgttcaca tgagaacatg tcctggcaaa aaaagaaaga gaaaataaga gaaaacaact    120
aaattgttgt taatgttaga taaataagag gcacttattg attcaaccac agttttctgg    180
agatcaactt taatttttgt ttgtactttg gtggtagctt ttttcattgg aaagaaatcc    240
aaaattaaaa ttacattgtt aactaaatct tacttttttg tgtgaatttt tgtaattaat    300
tttcataaga cactcttgtc tttgagtaag tttcttgttt gtaaacaaca caacacaatt    360
tatcactatg aatgaa    376

```

<210> 2765

<211> 383

<212> DNA

<213> Homo sapien

<400> 2765

```

ggcacgagta tttattgaat tcttatTTaa aacaaacaga aacataaggg gcaaggggca    60
gggagaggaa agcctggcgc ctacaaacat gaaataacgt aagatgtaaa acattgattc    120
atatacaaat ggtaaattcc aagtgtcttg ctactaacta tggggcacct taaacattgt    180
tcggcaagaa gaatctcata gtgtgataac ttaatgcttt aagtttaa atatttcata    240
agttttacca atctgatgtg ttattttcta tagatttcca gcacctatct agagagcaat    300
tggcctatac cgctgagtcg ttattatgtt ggtgctaact tttgttgact agcatttgct    360
gcaagaggca ttctgggaag agc    383

```

<210> 2766

<211> 373

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(373)

<223> n = A,T,C or G

<400> 2766

```

tacggctgcg agaagacgac agaagggaaa tcataaggat attcttattg tgaataccct    60
gtagcagggg aatctggact caaatcaggt tgcccatggg tcccaaattc acttcattac    120
tttcccaacc acttccccct taacttgctt tccctgaac cgtagcaa atgaatgcat    180
gacaagctga taggagggaa aacatgacaa gtgaggttga gttagaaagg aaaagcaggg    240

```

```

ctatgaggaa ctgaataaga gatcagattt gtatttttcc tttggagtct tgagaattgt      300
aatatttgaa acccttggca gaaaataaaa tcataaccaa gtgactcaga anaaacatac      360
taatgctaac tgt                                         373

```

<210> 2767

<211> 379

<212> DNA

<213> Homo sapien

<400> 2767

```

cgttgctgtc ggaggaggag gttgattatg atgatgatga ggaccagggg tcagccacac      60
tctctcagac tcctcagccc cagagagtat caggggtttt tccccgtcct catggacccc      120
accactgcc catgactgct actccccgaa agcttccaga gggtgagagt gcaccacttg      180
agcttccctgc cctcctgca ctgccccca aaatcttcta cattaagcag gaacccttcg      240
agcctaagga ggagatatca ggaagcggaa ctacgcctgg aggagcaaag gaggaacca      300
aagtgttttc tggaggggac actgaaggga atggggagct aggggttcttg ttgccttcag      360
ggccaggggc aacatctgg                                         379

```

<210> 2768

<211> 338

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(338)

<223> n = A,T,C or G

<400> 2768

```

tacggctgcg agaagacgac agaaggggtg gctgtgaatc agccatgatg ctgagtgcta      60
caagagagga ctgtgcggtt gggaggggtt ataacaggat ttaacctagt tagggaagat      120
ctgaggaagt gatgaaagaa tggaaatcaa tatgtaagag ctcaacagtc agagtgaat      180
gtttcttcct atactgcctg cttctaata gcatccactt cattgaacca cctcttcatt      240
gagccaaacc taccatacag ggatacattc tctggaggaa agttgagcaa ctattgcatt      300
tgggacatta aagtatgggt gggctgacag gtatgtgn                                         338

```

<210> 2769

<211> 390

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 2769

```

ggcacgaggg caggcagatc acttgagccc agaagttgag accagcctgg gcaacatggt      60
gaaacctcat ctctacaaaa aatacaaaaa ttagccagac atgatggtgt gtgcctgtgg      120
tcctagctac tagggaggca gaggtgggag gatcacttga gccagaggag tcgaggctgc      180
agtgagctgt gatcgagcca ctgtactcca gcctgggtga cagagcgaga ccctgtctta      240

```

```

aaaaaaacca ccaacagggg aaggccagga cgacgaggag aagttggtat ctttttggtta 300
gctccagagt ttgtgctggt gaaagaaggt taggatgtan aaaagggatt tagagacata 360
cagtggctgc tcttcagtat tcttcaaggg 390

```

<210> 2770

<211> 375

<212> DNA

<213> Homo sapien

<400> 2770

```

tacggctgcg agaagacgac agaagggagg agttgggtga ttgacattgt tgagctctgc 60
aggaaatctg ttagtctcca tttccggagg tcttgctatg tagaaaaatt ggatgacttt 120
attgcttaag tcaactataag aatgttttct gttacctgca acccaatgca cccaactaat 180
aaagtatgtt tctagaaata cacttgccctg cactcatttt ttaagacaca cagaccacat 240
acacatggag agatattttt aaaggtcttg tactacataa attgtactat tttttaattt 300
aaaaatatgg gccaggtgca gtgggtcaca cctgtaatcc tagcactttg ggaggccaag 360
gcaggtggat cacaa 375

```

<210> 2771

<211> 379

<212> DNA

<213> Homo sapien

<400> 2771

```

tacggctgcg agaagacgac agaggggtca ggagtttgag accaacctgg gcaacatggt 60
gaaaccctgt ctctattaaa catacaaaaa aaattagcca ggcatgggtg cacacctgta 120
atcccagcta ctgggaggtg gaggttgtag tgagccgaga tcatgccact gcactccagc 180
ctgggcgaca gagcaagact ctgtcacaaa aaatatttct cccagttttc atcatcatgg 240
ctacaagtta ccaaggtcat ttgtttattt ggtcatttcc ttgagggcga gaggccaaat 300
tgctttgttg ttgtaccagc gccaaacctc tgatgtttgt tgaattaatg aacaccatt 360
tttcagatca ggaaagggg 379

```

<210> 2772

<211> 330

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(330)

<223> n = A,T,C or G

<400> 2772

```

tacggctgcg agaagacgac agaagggaaa gtatataaca aaaattgtat atatcaacac 60
aatttaaatt tcaaaataag aatgttgaat ttttaaaaag caagttgctg aggtaataca 120
aatgtatgac acaacttata tatagtttaa acataatata acaagagcaa atagtaaatt 180
atgaatttga atgcatatgt gtggagagtg tgggggtgag tgtggatgtg ggggggatgt 240
nnnnnnntnn tgnnnngntg tgtnntann ngtnntttt tttctttttt ttgnnttttt 300
ggggtggtta tgtgtgcagg ggtttggttt 330

```

<210> 2773

<211> 348
 <212> DNA
 <213> Homo sapien

<400> 2773
 tacggctgcg agaagacgac agaagggcat acagttggga aaggaagaag caaatatatc 60
 ttatgtata gataattggg ggcacaaaaac attctagggg acctccaaaa tatttactag 120
 aataaataaa attagcaaag ttataatgaa acataatgtg gccaggcatg gtggctcacg 180
 cctgtaatcc cagcactttg ggaggccgag gtgggttgac cacctgaggt agggagtgtg 240
 agaacagcct ggccagcatg gtgaaaccct gtctctacta aactacaaaa attagctggg 300
 catggtggtg tatgcctgta atcccagcta cttgggagggc tgagtcag 348

<210> 2774
 <211> 408
 <212> DNA
 <213> Homo sapien

<400> 2774
 gtcttgctgt tcttaaccta ccaaagcagg caagtagacg cacatgtgtt ttacacacgt 60
 cattggaaga aggctggcaa taccagcttg gttgcaagga aagaggcaat tgtgaggact 120
 ccttctcaca ctgcagtaat ttgctgagtg acctgaaca aggatcttaa tgcacagag 180
 tctgtttcct caacccccaaa atgaagggat tggaccagat gccctcaagg ttcctcaagg 240
 gtcagctgtc acagttctcc aaagtgagtt ttcaggcaga catagagtta gccagtgtcg 300
 cctcaccagg acattttgtt ttctgaacat tgggcctctg tggtttgtca catacaccca 360
 ggggactggg ctcataactc cctgaagaac ctctgccag aacaaagg 408

<210> 2775
 <211> 337
 <212> DNA
 <213> Homo sapien

<400> 2775
 tacggctgcg agaagacgac agaagggctct ttcataatac ctaactaatg atgtcactct 60
 aatgcttaaa catgcttcag tagcctcagg ataaaactct gtggtaaggc atcaaaggta 120
 ctcaaattgt aggtcccaga gttctacatg gggagcatct acctgttgct tgtatcatgt 180
 ctttctcaac ggtccctatc gcctagaaga agagttaatt gcttctttct tactgtcatt 240
 tcatgccttc agaataaatg tatagcacat ttcaccaggt tagaaaactcc acaaagggtg 300
 attcactgct atatttctag ggcttagaaa tctaggc 337

<210> 2776
 <211> 338
 <212> DNA
 <213> Homo sapien

<400> 2776
 ttactgttgc gagaagacga cagaaggggc tgggggagct gcctgtgcc tggcctggcc 60
 aggaggctcc tcttgccgct cagctgcccc tgcaactgca cgtcccatg ctctgcagt 120
 cccaccagac agacacctct taggaagcgg catgctccct gggacaggcc ctgaggcatc 180
 acggcctctt gtgaaattat caaacgtcac caggtgccag aggcagggtg gcagaacgag 240
 gctgagggtc actgggatgc tgtggttaag gcctctgctg acctgtgctg tgccggccac 300
 tgggagtgtg aaatgagcaa acgggaacag aagggtgg 338

<210> 2777
 <211> 376
 <212> DNA
 <213> Homo sapien

<400> 2777
 tacggctgcg agaagacgac agaaggggtct gttttgtaga gtaaactgaa ggatctgttt 60
 tggtatataa cacatttact tttcataaat ggtgttatct ggcaggtatt ttttggcttc 120
 cagaataaaa gttttaaaat taaaaggggt atccaagtat ttttaggagc ctagtatttc 180
 ctcaattact cccaaactct aaaagtagat tggctttatg ttaaacagag aattcgtaca 240
 gaaaaaatct tcaggactgt attcattcca taaataatgt actttatfff attgcatatg 300
 gctattaagg agggcatcca tgatcaatac agactaaata caatgcacta ttctagtcca 360
 gtttattctc gtctcc 376

<210> 2778
 <211> 357
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(357)
 <223> n = A,T,C or G

<400> 2778
 tacggctgcg agaagacgac agaaggggtct attactcgac tttgaatttc tcacacagct 60
 ggcattaaat tcctcttctc aagaaactta caagtagttg tagattatta tcaccagagc 120
 tgtcaatatc tgtatctgca agaaactgcc agaaaacagc cagtatacct gtaaaggggt 180
 caagctaaat agaatttata aagacactat tacagagata taggcagagt tagggactgg 240
 caccaggaa ctcaaatag cagggagccg ttagcacctg cgatgggctg aatcatgttc 300
 ctccgagact cacaagttga agccctatcc cccagtacct gataatgtga ctgtatn 357

<210> 2779
 <211> 375
 <212> DNA
 <213> Homo sapien

<400> 2779
 tacggctgcg agaagacaac agaaggggga gaggacccag atgggcttgt tgaagtacca 60
 gtgggtaatt ggtgaagtgg ccaagggat gaggagtga gggtaataaa gaaagagcaa 120
 gggaaggaag ttgaggtgtg gtataagcag ggaaagctgt tggatgcaag gttggagtta 180
 gtgggggctg gaataaaaag atgtgaccta acaactatta atgctgtctt gttaaacaaa 240
 atgatttgtg tggatctgtg tgaaattctg acttggctag cctatttcaa aatgcacgat 300
 gaggttgttt ttaaataaac ttacgaattc agtttttccc tatttcctcg accgtgattt 360
 gacatatctc acagg 375

<210> 2780
 <211> 337
 <212> DNA
 <213> Homo sapien

<400> 2780
 tacggctgcg agaagacgac agaaggagga cttaaaacaa taagcattta ttactgatct 60
 gaagtcacaca ggtcatctgg gtcagtctct gatctgagcc agcctcactc actcatgtgt 120
 ctggtcactt ggcagtttga aagggaacct aattcacatg tctggcagtt ggctgaatgt 180
 tggctagagc aataggatga ctagaccata taccttttgt tctccaacaa acagttgcag 240
 gggaccaggg gagcaagtgg aagcatgcaa tgcttcttaa ggtctagtat cagaagttgc 300
 acactgtcat ttccactgaa ttatttagct gaagcaa 337

<210> 2781
 <211> 391
 <212> DNA
 <213> Homo sapien

<400> 2781
 cggttgctgtc gggacaaaagc aaaacacata ccataaatgc ttatcattta gatcccaggg 60
 gcccaaaatc tgaactggag catgagtttt atgaattaga acctctggct tcccacagct 120
 gcaactgcccc tgagaagacc acttatgaag agaccacat ctgctctgaa tttttcaaca 180
 gccaaagcaaa gaatttaggg atgcctgtgc atgcagctta caacagtga ctcagcaaaa 240
 gcaactgaaag tgacgctggc tctgccttgt tacagcccc tcttgaacag cataccgtgt 300
 gtcacttctt ctctctgaat cagagatgta gctgcccaga tgcttcaaaa cacttgaact 360
 atggcccaca ctcttgccag cagatggggg a 391

<210> 2782
 <211> 378
 <212> DNA
 <213> Homo sapien

<400> 2782
 tacggctgcg agaagacgac agaagggtgt aaggggaagg caaatactgg atcttgaggaa 60
 ccactgtaat ctactttgtg tctagcctat ttctatatc cattgatggg tctgcccctg 120
 gctgtgcttt cctgttggct ctctttgatg ctggattctc tgtaccctgc tcccacactg 180
 cctcctgctg gctttctca gatatcaagg accaagtagt cacatttccc ctaccatgca 240
 ttgggtgtgc ttcttcaactg aagaaaaacac ctagggactg accactctc cctccacca 300
 gatcttccca acccagtggt ttctgaggct ttagggtaag gcagctagt aaatttttct 360
 ctccaaatcc tggaaggg 378

<210> 2783
 <211> 362
 <212> DNA
 <213> Homo sapien

<400> 2783
 ggcacgagat gaaggcccat gaggcggctt ttattgaaca ggaacaaaaa gaagctgttg 60
 cgtgagctga gaaagcaccg ggagcgtgtg gagctgatga tggatctgcc tggggtttcc 120
 attgcagacg agggggagac tggcatgttc tcttgtgca ccatccgggg tcaccagtta 180
 ttacaggaag taacacaagg ggatatgagt gcagcagaca catttctgtc cgatctgcca 240
 agggatgata tctatgtgtc agatgttgag gacgacggcg atgacacatc tctggatagc 300
 gacctggatc cagaggagct ggcaggagtc aggggacatc aggtctaag ggacaaaaag 360
 cg 362


```

<400> 2787
ggcacgaggt taaacagaag agccatcgtc caggatcagg gatgtctgcc tggccttatt      60
ttatttatgg accatcccaa cctccagtc gtccactccg ctttgcttgc tcttcgatac      120
ttggcagaat gccgtgcaaa cagagaaaag atgaaaggag aactgggtat gatgttgagc      180
ttacaaaatg ttatacagaa aactacaact ccaggagaaa caaaacttct ggctctgaa      240
atctatgaca ttcttcagtc ctccaatatg gcagatgggt atagttttaa tgagatgaat      300
tcacgtcgaa ggaaagctca attttttctg ggaactacaa acaaactgac caaaacagtg      360
gttttgcata tagatggcct tgatgatacg tctcggagaa atctatgtga      410

```

<210> 2788

<211> 407

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(407)

<223> n = A,T,C or G

```

<400> 2788
ggcacgaggc tcgtcctgcg ggggcccccc agcccacctg cttcctatcc gtttcctgca      60
agatggtgcc cctgcaccc cctcacccat tgctcacgga aggaaaagca gacgtggcca      120
gcctgcaccc tctgccctcc ctgagccctcc tggcctgggt ggcacacagct ggcattggacg      180
ccatcagcag gtcctcgtag ggcggacggg ggcagccccc acagccaggg caccctggac      240
ctcactcacc agcacccttt tgggtcttttc ctagcaaaat atgcaaagtg tgaccagtgt      300
ggaaacccaa aggtgagtgg gttccggctg caagccacca aggccttcagc tttggggggtg      360
agcagggtgg tctctgcact gcttggnctg gcagggtctg tgccccc      407

```

<210> 2789

<211> 388

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(388)

<223> n = A,T,C or G

```

<400> 2789
ggcacgagtg aaaaccttat tagtggtgtg atagtagaga agcttttagt caaaagtcag      60
tttattaaat gtttagaata cctaaacagg aagaaaattc tattgttttt tataacaaag      120
tggaagattt caagaaagga caactcactg tacacttgag aataatacct acagagggtc      180
atactgaaga gtagtctcaa taatgtaaag aatttgacaa gcatgatgct attgaaatag      240
ttctgtaagg aagtgggtgt ctttatacat caattattac aaaaagcagt gaattgtaag      300
tgtgaggtgt gtttacttag atgtgaagag ttctccttac tgctgtgatg gaataacaag      360
ggtcagattt cctctcctgc cttaaacn      388

```

<210> 2790

<211> 334

<212> DNA

<213> Homo sapien

```

<400> 2790
tctacggttg cgagaagacg acagaaggga accagaacca tatagtgagt gggatctggg      60
aaagtagttc ccagcttaac agttaacaca ccacgcacca ccagtacaat ttgtgttttt      120
gttctgggtg ttaccattat attaatacct ttatatggta ttctaatttc cttctctttt      180
ggggggggagg ggtattatgt gtctggctct cccattttac attaactatc actaatcttt      240
taaattgagta ttacattagt gtctttatcc gcggactgcc tcaattttca ttttattttct      300
tccatgagtc aacggccctt attcatactt taac                                334

```

<210> 2791

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

```

<400> 2791
ctccgttgct gacggtgccca gggaaacgga ttcattctacc cacgaaggac gcgggagatg      60
aggtgccagg gtaaacagcg ggaccccgcca ctatgtcacc ctttcctgcc gactgcccgg      120
aggaactgca tgcagggcgcg ccggctccgt ggcaggcaga ggcaggaaga ggcgcggagc      180
ccgctcgtgg cgaaaagggg agtgccggcg gaggggaggg cagaggcagg cggccggtcg      240
cgtggggcct gggccgcccc aggagggcct ctggctggat tcttagcaga tggaagccgt      300
gcaagggcag gaggcagggg cctgacgtgt ttggattgag gttgcaggag gggcccttgg      360
ctgcttcagg gagaataatt tggagggcgag cggngagggn                                399

```

<210> 2792

<211> 395

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(395)

<223> n = A,T,C or G

```

<400> 2792
ggcnnnnntc tgcagcggcc tacggctgcg agaagactac agaagggcac agaaggcggc      60
tctatgagaa gagctctttt aatgtgggaa ttgatataca agaaggtact tagtccataa      120
gatcaggatg tacaagataa cccagaggg cgctcagcca agcttagagc cactatcaaa      180
ttataagtta ccatcatctt attcttcaaa ttttttctgc aggttctcta gtctttactc      240
atggtatgtt cctgaatgtc ttgatatagg tttaagtatg ggacagtcta aaaattgata      300
acatttagca ttttttttcc tcacaaagaa actgtggaaa atattagcat gacagagaaa      360
gttccactca cggagtagca tctcaagacc ggaaa                                395

```

<210> 2793

<211> 372

<212> DNA

<213> Homo sapien

<400> 2793

tctacggctg	cgagaagacg	acagaagggc	ctgaggggtct	gctctgcctg	cctgaggga	60
gacccaagct	atattctgag	tcagggctag	gggcagctta	gtgccaccac	aaaggccttc	120
cctcagcata	tataacctca	ctgtctccca	ggagctatgg	gggtaataca	ggcattggga	180
gatgctggag	ggaggcaggg	tcttaattgg	ctgatcaact	caaccaagta	acattgggta	240
atggccaag	gtcaatgtgg	ggagtgtcaa	ctggataaat	gatattcagg	gaagcccatc	300
cctgttctgc	tgcaagtctg	gagagcatgc	cacaggtgag	cagcgcttgt	gaaggtgaaga	360
tatggaggcc	ac					372

<210> 2794

<211> 372

<212> DNA

<213> Homo sapien

<400> 2794

ggcacgagag	agagagagag	agctagtctc	gagagcagct	cttttttttt	tttttttttg	60
ggggggggga	aaaaaccccc	ccttttttgg	gcttttaaaa	aacaaccctt	ttcaggggaa	120
tgggggactg	gaaaataaaa	ctcccccg	gttgggtttt	tgggaacctg	aagcctttta	180
gaaggagag	ggtttttttc	ccaaaacccc	aggggagggg	gggcttttga	tttttggaac	240
acaaaaagg	gccccccctg	gggggggaaa	aaggctaaac	cttccccctt	acctggggaa	300
tgagcccc	cttttgtccc	cttctggggg	ggggggacgg	ggcccttttt	ttttttgacc	360
cagggggcgg	tt					372

<210> 2795

<211> 393

<212> DNA

<213> Homo sapien

<400> 2795

ggcacgaggt	cccacctgaa	gaaaatccat	ggggtgcagc	agcagtatgc	ctataagcag	60
cggcgggaca	agctctacgt	ctgcgaggat	tgcggctaca	cgggccccac	ccaggaggac	120
ctgtacctgc	acgtgaacag	tgcccatccg	ggcagctcgt	ttctcaaaaa	gacatctaaa	180
aaactggcag	cccttctgca	gggcaagctg	acatccgcac	accaggagaa	taccagcctg	240
agtgaggagg	aggagaggaa	gtgaggagaa	ggaaggggag	gacagacgtt	cacactgcca	300
cgtatgtcta	cgtggatttt	tggttttcag	cttcccccac	cccactggct	cttcttaatt	360
agaagtgacc	agttcacctc	tgtgtccttt	tga			393

<210> 2796

<211> 353

<212> DNA

<213> Homo sapien

<400> 2796

tacggctgct	agaagacgac	agaaggggaa	ggatgtggct	ctgccatgaa	ggatgtcctg	60
ttgcctttta	aatctggaag	cgattcaagc	caagctgacc	aagaagccaa	agaactggct	120
aggcaaataa	gctttaaggc	agaagtcaat	tcacttgga	agactatctc	tgagtcagac	180
ttaaaccact	ctttttcact	aactgattta	caagatgata	tacctacaac	attccagggt	240
gctacggcca	gtacatcgta	cggagtccag	aattcctcag	cagcatcctt	tcataaacct	300
accaaacctg	tagctaagaa	tacctccatg	agccctcgac	agcgccgggc	cca	353

<210> 2797
 <211> 379
 <212> DNA
 <213> Homo sapien

<400> 2797
 ggcacgagggc aggaacagcc ctcaagcctg tgtcgggtggc ctgcacccag ctggcatttt 60
 ctggccctaa gctagcgccc cggctcggcc cccgccagc gcctcctcca cggcctgaga 120
 gcactgggac tgtggggccc ggccaggccc agcagagact ggagcagacc agctcgtccc 180
 tggcagctgc actgagagcc gcagagaaga gcattggcac caaggagcaa gagggcaccc 240
 ccagcgccct caccaagcac attctggatg acatcagcac catgttcgac gccctggctg 300
 accagctgga cgccatgctg gactgagccc tccagcagtg cccactgtga cctgccgaag 360
 tccactgcct ttgccccag 379

<210> 2798
 <211> 380
 <212> DNA
 <213> Homo sapien

<400> 2798
 ggcacgagat tcttttgtct aaaacttata gaaattgatg cttgtactct actggctccc 60
 tgatgatagt agaaaagcac tagtaatgta ccaaataaaa ctggttgtgt accagatgat 120
 tttgttaact tcttaaatag cctagaaatc gtcagcaggt cacatacaac tgcagtgata 180
 atttcagaac atagcaaaat ggctgataat ttggatgaat ttattgaaga gcaaaaagcc 240
 agattggccg aagacaaagc agagttggaa agtgatccac cttacatgga aatgaagggg 300
 aagttgtcag cgaagctttc tgaaaacagt aagatactga tctctatggc taaggaaaac 360
 ataccaccaa atagtcaaca 380

<210> 2799
 <211> 340
 <212> DNA
 <213> Homo sapien

<400> 2799
 tactgttgcg agaagacgac agaagggggt tgtctgaatt gggaccggaa aacgttgtcg 60
 ctcatcctat gacgcgaaag taaccgagac tatcaggatc cggagacgga aatgtccgaa 120
 ggcagcagta cttgaccctg tattttggga gtcgaacgga gaatggaaac tgaaagtgga 180
 aatcaggaaa aggtaaatgga agaagaaaagc actgaaaaga aaaaagaagt tgaaaaaaag 240
 aaacgggtcac gagttaaaca ggtgcttgca gatattgcta agcaagtgga cttctgggtt 300
 ggggatgcaa atcttcacaa ggatagattt cttcgagaac 340

<210> 2800
 <211> 368
 <212> DNA
 <213> Homo sapien

<400> 2800
 tcgaattccg ttgctgtcga gagctaggag ttggatgggg aaggacgccc ggccaaaagc 60
 caggaaaagg ggaagcgccct ggatggaaag gacgagtttg aggacctcga gtgggtccgag 120
 gaggtccaga agctgcagga gcagcagctg cgcagcgacc tcctggacca gtaccgttcc 180
 ctgctggttg agcgggaaccg ctcccagcgc tacaacctat acctgcagca caagatcttc 240


```

gagggcgctgc gcagaaagaa gggcctggag gccgctgagg tggctgaccg gggcgagag 300
gccgaggccc ccgagaaaga gcaagcgtac ctgcgccatc tgggcatgct ggaggagctg 360
aagaagcCC 368

```

```

<210> 2801
<211> 413
<212> DNA
<213> Homo sapien

```

```

<400> 2801
cgacgaggca agatggaggc gactacggct ggtgtgggcc ggctagagga agaggcgttg 60
cggcgaaagg aacggctgaa ggccttacgg gagaaaaccg ggcgcaagga caaggaagat 120
ggggagccaa agaccaagca tctcagagaa gaggaggaag aaggcgagaa gcacagggaa 180
cttaggctgc ggaactatgt cccggaggat gaggacctga agaagaggag ggtgccccag 240
gccaaaccgg ttgcagtggg ggagaagggt aaggagcagc tggaggccgc caagcccag 300
cccgtcacgc aggaggtgga cctggccaac ctgcctcctc ggaagcctga ctgggacctc 360
aagagagatg tggccaagaa gctggagaaa ctaaaaaagc ggactcagag ggc 413

```

```

<210> 2802
<211> 386
<212> DNA
<213> Homo sapien

```

```

<400> 2802
cgttgctgtc ggcggtccg atttatgtct gtgggagtct cggagacgtg tctgggtgtg 60
aggcgctggg tgcacgtccc cagggtctcg ggctaggaag gcagcggcga ggtgcctccc 120
cacgtacccc tcgcggggccc agccgagcaa cgtggggcga aggcggcggc gaaggcccgg 180
gctgggagcg ttggcgggcc gagtcccagc catggcgagg tctgtggagc gcctgcagca 240
gcgggtccag gagctggagc gggaacttgc ccaggagagg agtctgcagg tcccaggagg 300
cggcgacgga gggggcgggc gggtcgccat cgagaagatg agctcagagg tgggtggattc 360
gaatccctac agccgcttga tggcat 386

```

```

<210> 2803
<211> 344
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(344)
<223> n = A,T,C or G

```

```

<400> 2803
tacggctgcg agaagacgac agaagggttt tcaaactgga gaaagtgatg gatgatttca 60
gaacttcagc tcctgagcca agaggctcct ccaaccctaa tgtcgaatat attccctttg 120
atgaaatgaa ggaaagaata ctgaaaattg tctactggatt taatggtatc ccttttacta 180
ttcagcgact atgtgaattg ttaacagatc caaggagaaa ctatacagga acagacaaat 240
ttctcagagg agtagaaaag aatgtgatgg ntgttagctg tgtttatcct tcttcagaga 300
aaaacaattc caatagttta aatcgaatga atgggtgatg tttc 344

```

```

<210> 2804

```

<211> 437
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(437)
 <223> n = A,T,C or G

<400> 2804
 tagtgcttct gagattccat ggagagcttg cttgatcttn ngncgccgc ggcctacggc 60
 tgctacaaga ccacagaaag ggattacagg tgtgggccac cagccccagc cctcttgtgt 120
 aatttttgat aaataacaca ttactattg ttggtttaat gaaaacagct caattctgag 180
 gtattgctaa aatactgata tttaacctta agtttcttac ttaggtcaga aactcacagg 240
 ctattaaaaa ggtaaacagg aaatagcttt aaatgatgac tatcacagtt ttcataaata 300
 acctatgtaa actatcagca ttactcatgt taatgtaatg gaataaatgc ttataaacia 360
 acttgatata taatttagaa tctaaagtta cattaaataa taaaactcat taactgggta 420
 gcttctaatt taaaaac 437

<210> 2805
 <211> 385
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 2805
 gcctacggct gcgagaagac gacagaaggg catagaggag taattgggta attcctgtgt 60
 cttagggaag tctctctggc tcccaggagc agcatactag acacagagga ccaagtagtg 120
 ggctcctagt atccttctgg tggccaaagc cttcacagtg aaaatagata ggaagagcca 180
 cctgccttg cccgatattt gtttttaaaa ggctgggcat ggcttatgcc tgtaatggta 240
 gcacttcggg aggccgaagt aggaggatca cttgagacaa ggagtttgag actagactgt 300
 gcaacatagt gagagcccat ctctacagaa naattttgta gggccggggc cgggtggctca 360
 tgctgtaat cttagcactt tggga 385

<210> 2806
 <211> 401
 <212> DNA
 <213> Homo sapien

<400> 2806
 ggcacgagcc accatgccc a gccaagccat gaaatcttaa tggctcaact aaacaaacat 60
 ttattttctca ttcacactac atgtccatgg tgaggaagac cactctgctc catattgtca 120
 ctacagagatc tagacagatg gagtctttac tatcttatga tgttgctgtc tcaacacaca 180
 gcttctagag ttctgtggg gggataaggt gtaaaaaact taaactttct cttaaagtgt 240
 ttggcccttg ctagcatcag tcctatgaat ctctctcagt gctaggaggat tgggatgtgc 300
 agtccctcct gatgccc aaa cagaacaggc aaaccagata ttactgagtg caagaaatcc 360
 ctactatgtg tactgaggaa caggattcaa gctgtattag a 401

tacggctgcg	agaagacgac	agaaggggga	ggatttttcta	attcttttttc	agttttgact	60
ctgtagtttt	tcataagcag	taggagcatg	atcatgagac	ttaggaggag	caaactttgt	120
cccagtatag	tttaagaaat	ctcatatctt	tatacaaaat	atgtttgcag	ctgaacttta	180
cataccatct	tgggtgctgag	acagtcagat	aggctctcct	gtgtgtatag	tgctacaaa	240
tcccaggaat	atgaaaattg	tatagattcc	tagttgctgg	ctagagaagt	gagagttgaa	300
atgttctaag	atataaggaa	atgcaggttt	tgcttagtt	atatataaag	ttgtcatcat	360
agagcctagt	gctgaagagc	aaagga				386

<210> 2814

<211> 385

<212> DNA

<213> Homo sapien

<400> 2814

cgttgctgtc	gatttttaat	tgagcaaata	ttgtatagat	ggttcatttg	gtcaccatt	60
ttgaataata	tatggaaagt	taaaaaatgc	ttctcagata	caaaggaata	aagctaagat	120
gaagcttaac	gtgagggatt	acttactgtg	gaattgcatt	tcaaactggg	ctgaggtggg	180
atggtggtgg	tagataagag	gccagctaga	gtaaacataa	gctttgtagt	tttattattt	240
taagagtcag	agtcttggtc	tgctggccag	gctggagtgc	agtggtctga	taatggttca	300
ctgcagcttc	taactcctgg	gctcaagctg	tcttctgccc	tcagcctcct	gagagctggg	360
actacaggtg	tgtgccacct	tgtct				385

<210> 2815

<211> 392

<212> DNA

<213> Homo sapien

<400> 2815

cgttgctgtc	gaaaaaaaaat	tagctgggcg	tgggtggcaca	ttcctgtaat	cccagctact	60
tgggaagctg	aggcaagaga	attgcttcaa	ccttgagggc	ggaggttgca	gtgagctgag	120
attgctgatt	gtacttcagc	ctgggcaaca	agagtgaat	gccgtcttaa	aaaaaaaaatt	180
tcaaacatgc	agcaaagggtg	aaagaatact	acagtgaaca	cccatatgcc	ttctgtttgg	240
attcgactgt	taaccaacat	ttaaccattt	tgttttaact	ctatatcctc	cctttcttga	300
atgatttgaa	attaaattgc	agatatactg	cttttccctg	taataacctca	ggatgcatgt	360
ctttgaaata	atgctttttc	ctacgctttt	cg			392

<210> 2816

<211> 406

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(406)

<223> n = A,T,C or G

<400> 2816

cgttgctgtc	ggcgccgggg	gcgcagctta	tgagggcgcc	ggacctggga	agccgattcc	60
aatcagttgt	cagacccggg	aagcccgacg	ttccgctctc	ccgagtcctc	ctgtgggggtg	120
aggaatgggt	cttgtgaaat	tctgagcaaa	aacaaaggca	aactctatct	ccgaaaggga	180
cgtttggggtc	acatttcttc	tctggggggc	gactccaaag	ttctcaaaat	gagaaggcag	240

```

aatgaaaaac acttcaactt tttttttctt ttcttcccgg ggcgggtgtc ttgaaccctt 300
cttctccccg cccctctggc tccgttctcc tcccctctc caccgtctc ccggactcgg 360
gggtggcgcc tgacaccccg acactttcgg acactgtttg ggtaan 406

```

<210> 2817

<211> 405

<212> DNA

<213> Homo sapien

<400> 2817

```

ccatcgattc gaattccggt gctgtcgaaa attttaaagt tccattttct agccttacca 60
cgtatcaagt gctccatagc cacacgcagc cagagcctac tgtacttgt agtgtcagca 120
taaaacatgt ccatagttgc agcacgctcc attggacagc atgcttagga caggagtgt 180
gccttgtcta cctggacctg cccctaatat tggctagcat ctctcacat ggaattctgg 240
aagcctcgcc cccttctttc ctacacccca gctctgctcc tctactgtgca ggccttgga 300
tgtgcctgga gcagaggcca ggcaggccct ggaagcagtc ttgggctgta tggatggggg 360
attccagatc gtatatgtag agcatactct aaatgtgggg cagga 405

```

<210> 2818

<211> 386

<212> DNA

<213> Homo sapien

<400> 2818

```

ggcacgaggc aacatggcaa aatcccatct ctacaaaaca tcaaaaaaaaa aaaaaattaa 60
CCgggcctgg gggggccacc cctgaatccc cattttgtca ggaggctaaa ggggaagaat 120
cccctggccc caggggggca agggatccag ggaccaatgg ttaaccatt gctttttacc 180
tgggggaaaa aaaggaaacc ccgtttaaaa aaaaaaaaaa aagaaaaaat tctaaaaacc 240
cttattttta taaaacttaa aaagggcggg aaaaaatagg ttttattatc ttattttaac 300
aaagggaaaa ttgggggcta aaaaaataaa agttttattgc taagggcctt gggcttaaaa 360
tttggaacac ccttgtttaa aatccg

```

<210> 2819

<211> 386

<212> DNA

<213> Homo sapien

<400> 2819

```

tacggctgcg agaagacgac agaaggggga gacgtgactg aggatacact tgctgaatgt 60
attgattccg tcagccttga ggcagaaccc agatccgaaa tacccttgca agaacagaat 120
tatctggctg tggattcccc tccaagtgga ggaggatggg caggctgggg atcctggggc 180
aaatctctgc tgtcgtcagc atctgccaca gtaggtcatg gattgacggc agtcaaggaa 240
aaagcaggag ccactctacg gattcatggg gtaaattctg gatcttctga aggagcccaa 300
ccaaatactg aaaacggagt ccctgaaata acagatgcag ccacagatca gggccctgca 360
gaaagcccac ccactttccc ttcac

```

<210> 2820

<211> 380

<212> DNA

<213> Homo sapien

```
<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G
```

```

<400> 2823
tacggctgcg agaagacgac agaagggaca taccagggta atactctgca aaaagaacta      60
gggggtgccta tcttaattat taggaaaaac tggacttcca gaacaaaaag caacattaca      120
gatgagtttt caatttacca gggatacata attttaaatt tgtatacccc taacagcata      180
actttgaaat atatttttaa aaattactgg aactacggaa tattcaaaat cacaaaggga      240
cattttcaca catctcacag agggacattt tcacacatct ctctcaaaat tgatgggtca      300
aatagacaat aaatcagtaa ggagttaaaa ggtttgaaga acacaattaa gaagcttgat      360
ctaattggact tacacagagc an                                             382

```

<210> 2824

<211> 405

<212> DNA

<213> Homo sapien

```

<400> 2824
cgttgctgtc ggcgcattgcc tgtagtccca gctacttggg aagctgaggc aggagaatct      60
cttgaaaccg ggaagcggag gttgcagtga gctgatatca caccactgca ctccagcctg      120
ggaggttgca gtgagctgag atcgtgcccc tgcactccag cctgggcgac agagtgagac      180
ttcgtctcaa aaaaaaaaaa ttaaaaaaag agcagcttct actgcagcct cctcttacct      240
tattgccttc tcttgctctg gtctccactc aaagcatgca gccttctggg tgattttgca      300
gatgggtcaa aacagcatatc tcaatgttgc ctcccaaata aaaaaaccta ccgaccattg      360
tacttctttc tttgtggtag gtactgcaac ttgcagcaac ttggtt                    405

```

<210> 2825

<211> 418

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (418)

<223> n = A,T,C or G

```

<400> 2825
cttgttctnn nngcccatcc catcgattcg aattcggcac gagtggaagc ctggcaggcc      60
actcgagttt tctctaggag gtaggtctgg actgcggctc cagtcatttg ctgagccctg      120
ttcagctgga gctggatgaa caaaagcttc catgacaggg ttggagttca ggatcctctg      180
ttctatcctc tctgcaatct tgtggctctc ccaagatgca ggtgaggtgg ccaccacagc      240
atagaacttc attaggcagc gagacgtcca tgtctttcca gcaccactct ctccactgac      300
aacaatagac tggttgactg gttcaatcag gctcttgaca ttctgtagg tctgttcacc      360
cacagtgaac acatggggct tcagtttctg gggctgaggc gcagcatggt actctctc      418

```

<210> 2826

<211> 404

<212> DNA

<213> Homo sapien

<400> 2826

```

cgttgctgtc gctcaaagta aaggatcgta agaagaagaa gaagaaagga caggaagcag      60
gaggattttt tgaagatgca tctcagtacg atgaaaacct ctcgttccag gacatgaacc      120

```


tttccccgcc	tcttctgaag	gccattacag	ccatgggctt	caagcagccc	accccgatcc	180
agaaggcggtg	catacctgtg	ggtctatttg	ggaaggacat	ctgtgcctgt	gcagccactg	240
ggacaggtaa	aactgccgcc	tttgccttgc	ctgttttgga	gcgtctgatt	tataaacccc	300
gccagggtcc	agtcacccgc	gtgctgggtg	tagtgcccac	ccgagagctg	ggcatccagg	360
tgcactctgt	caccagacag	ctggcccagt	tctgcaacat	cacc		404

<210> 2827

<211> 357

<212> DNA

<213> Homo sapien

<400> 2827

tacggctgcg	agaagacgac	agaagggata	tttcttcaat	tcacatgaaa	acagcagaaa	60
gggagccctt	atgaagttag	aaaagctact	ctgaaccatg	cttcttttcta	caagtttagg	120
aaaacatttc	acgtaaaaat	gaacaacaga	ttgtgggtgat	ggttacacaa	ctctgaatat	180
aaaacactga	actgttggct	cacacctgta	atcccagcac	tttgggaggc	ggatcacaag	240
gtcaggagtt	tgagaccagc	ctggtcaaga	tggtgaaacc	ccgtctctac	taacaatata	300
aaaaaaaaag	aaaaattagc	cgggcatggt	ggtacgtgcc	tgtagtccca	gctactg	357

<210> 2828

<211> 361

<212> DNA

<213> Homo sapien

<400> 2828

tacggctgcg	agaagacgac	agaagggcgg	ggaggctgag	gcagaaaaat	tgcttgaacc	60
cgggaggcgg	aggttgcagt	gagccgagac	tgcaccactg	cacttcagcc	tgagtgcacag	120
agtgcagctc	catctcttaa	aaaaaaaaaa	gtttattctt	tcctgtgggg	taagcagagc	180
tgaagtttta	aaaagacagg	gggggatctt	cattagggaa	ctgggcaatg	ggcttctcat	240
gttaacaatg	ttgacaacaa	cagccaaaag	gaaaaatgta	aaaaccacaa	aaaaagctgg	300
cgcaggggct	cacgcctgta	gactggcact	ttggatggct	gaggcgggga	ttgcttgagg	360
c						361

<210> 2829

<211> 375

<212> DNA

<213> Homo sapien

<400> 2829

tacggctgcg	agaagacgac	agaaggggtga	taaagtgatt	ctgcttctct	ttgacaactt	60
gcactctctc	tacatggaag	taagttttat	tcctgtcaat	gttgcctttg	tgtgtgacag	120
attaggatta	aattatggtt	tgacttttcc	tagcagcgtg	atcatgggca	agtggctttt	180
tttttttttt	gaaaaaaagt	ttattttttt	tccccagggtg	gaagggcagg	ggcacaattt	240
gggttacttg	aaactccggc	ccccggggcca	aggggatttt	cgggtggaat	tttttaaaga	300
agtgggaacc	cccccccccc	cgggttaatt	ttggattttt	aggaaccaac	aagttttccc	360
cattgtggga	aaacg					375

<210> 2830

<211> 378

<212> DNA

<213> Homo sapien

acaaaatacc tgagactggg taattcataa aaaacaaatg tatttttgga ggtttggtgg 300
 tctggttagg gctatatgct cccgagggga gaaacaccat gtccgcatgt ggcagaaggc 360
 agaagagcga at 372

<210> 2838

<211> 378

<212> DNA

<213> Homo sapien

<400> 2838

tacggctgcg	agaagacgac	agaaggggagt	tgtaaatgtc	caaagctaac	aagtaaccaa	60
caaaaagttag	gttaaacatt	cttctagaca	ttgcctgtag	tagttaattt	ggggaacaga	120
tatctttttt	gcatttgagt	gtaagaaaag	gaaaaagaca	gtttggatat	ggaagttctg	180
ttgtgttctc	tctcctcctc	ctcctcaaag	atgagtcatt	ttaaagttgat	tcaggtgcca	240
gacaatgaaa	aagaggggtg	caatgtctgc	catatgaatt	gaaatgtttt	gatgagaggg	300
catctgcagg	agaattatct	gggggtgggc	tatctttctt	tctctgggtc	tttttctctc	360
ctggatgctc	agcttcct					378

<210> 2839

<211> 344

<212> DNA

<213> Homo sapien

<400> 2839

tacggctgcg	agaagacgac	agaaggggca	ggatatcgga	agccctgatt	agattctatc	60
ctaagagcaa	cagaagatca	ctgacagtgt	tttaaataga	tagactagtt	tattagattt	120
gcagttttaga	agttcccttt	ttttgtaatt	attggacagt	gtagagaccg	gatggtgaga	180
gatgagttag	gaagttgtga	cagctctcta	tacctaccgc	taatgtagag	gattatttat	240
tttcattttca	ttaccattcg	tgtaaggtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	300
gtgtatatct	agtttctcta	tagaacatat	atgggagaga	gaga		344

<210> 2840

<211> 347

<212> DNA

<213> Homo sapien

<400> 2840

tacggctgcg	agaagacaac	agaagggggt	ggcgggcgcc	tgtggtccca	gctactcagg	60
aggctgaggg	aggagaatgg	catgaacccg	ggaggcagag	cttgcaagtgc	gctgaggtcg	120
cgccactgca	ctccagcctg	ggtgacagag	caagactctg	tctcataaaa	aaaaaaaaaa	180
aaaaacattg	ccttgggggg	ccggccgcgg	gggtacaatg	tccaacccgg	aaacctttgg	240
ggtgctgggg	gtgctgttcc	ccaagccaag	gttttctccc	cccccgccc	ccccgggga	300
aaccccccttc	tttaataaaa	atccaaaata	acctggggct	gggggac		347

<210> 2841

<211> 347

<212> DNA

<213> Homo sapien

<400> 2841

tacggctgcg	agaagacgac	agaagggcac	attttggtgc	tggctaaagt	ttctggcagt	60
------------	------------	------------	------------	------------	------------	----

```

gaatctgatg gttacttttaa ggactaagac aaatattgtc agttcaggtc cttgggacct 120
atacctcaag aacctggcct atgcctatag ctgaccctct gtccagtact tccaaatgac 180
tagaatttct ggatcaaaaa caaaagcagg cagatcacta agatttggtc agacacaaga 240
aaataatgga tccaagaaaag caagtttcct atgggttaaga ggttaagtaa caattgtaac 300
aggaagagaa aaagacatgt aatctacaca aggagggtag gggcagg 347

```

<210> 2842

<211> 346

<212> DNA

<213> Homo sapien

<400> 2842

```

tacggctgcg agaagacgac agaagggcac attttgttgc tggctaaagt ttctggcagt 60
gaatctgatg gttacttttaa ggactaagac aaatattgtc agttcaggtc cttgggacct 120
atacctcaag aacctggcct atgcctatag ctgaccctct gtccagtact tccaaatgac 180
tagaatttct ggatcaaaaa caaaagcagg cagatcacta agatttggtc agacacaaga 240
aaataatgga tccaagaaaag caagtttcct atgggttaaga ggttaagtaa caattgtaac 300
aggaagagaa aaagacatgt aatctacaca aggagggtag gggcagg 346

```

<210> 2843

<211> 346

<212> DNA

<213> Homo sapien

<400> 2843

```

tctacgggtg cgagaagacg acagaagggg acagtggcac cacctgattt catgatgtac 60
catatgcact aacacatgtt tgaggtacag aattgaagct gatttttctg ctaaagatga 120
atttctatta acaatcccat ttttatattg tattattaaa acaaaaatac ctctctttgc 180
tagagagtat atgtatgact tatattatta actatggttt gcatttaaca catggccgat 240
tgectgtaaa tctgcttatt ttaacaacat acgggtgctgg gcacagtggc tcacgcctgt 300
aatcccagca ctttgagagg ttgcgggtgg atcacttgag gtcatg 346

```

<210> 2844

<211> 373

<212> DNA

<213> Homo sapien

<400> 2844

```

tacggctgcg agaagacgac agaagggcct gtttaccagc tgggccaaca tggtagatat 60
atgagattca catatggttt cattaaagca cataggaaag tgctcagtca atatttaatt 120
agtttaatta gataagggaa aggagaaatc ctaaaattga tggattcttt tatactgtga 180
atatattttc atcagtgttg gtaagatata aaatgactat cagttgatcc cagtcacatcag 240
tgacttattt gcatatttaa gccctattca caagagacca taatcatttt aatcttatat 300
tttccctcag gaaatttagg gactctgaag cccctatttt attctcttgg agtaaactgt 360
tgagtgtagt tac 373

```

<210> 2845

<211> 345

<212> DNA

<213> Homo sapien

```

<400> 2845
tacggctgct agaagacgac agaagggcac acaagggagg tttgttgtaa ttgtctgcta      60
tatgagaagc ttttgtgaat taccttgcac tttctgacct gcctgggac cttgccagtg      120
ttaagtcact gaaagtgtgt actacaaaag acttccatcc actattagct gatatcacag      180
tgtgtatcac cttaaaatgc ttagggaggg cagatagctg tgctctctac ctttatctgg      240
agttattgag tctgatccct tcgggcgagg cctcattccc actttcatgg ctgggttggg      300
tgcagacatc atccaacttt ggacagagga tacaggctgg cttga                          345

```

<210> 2846

<211> 374

<212> DNA

<213> Homo sapien

```

<400> 2846
tacggctgct agaatacgac agaaggggat tgaagataag acgggaattt acatgggata      60
aaagaaaaaa agtaccttaa atgaggacat tcccatgtat gattaaaaaa acattctgga      120
tgtaaacatt aaaaacggat ttctgtgtgt catcctaaag attttgagat tcatgtatta      180
at ttgttttc agaaattaaa gggattacaa ttgctagtaa aattgaactt cgtaataata      240
ttttctctgg tattagattc agaaagccag cgattagaag agatgctaac tgtgtttgga      300
ggtagcttct ttatgaatag gtaaaattgt attttcaaaa atttgtatca taaacaatat      360
gtagtttccc tgta                          374

```

<210> 2847

<211> 351

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(351)

<223> n = A,T,C or G

```

<400> 2847
tacggctgcg agaagacgac agaaggggca ttcgatcttc taggtcacag aagactttgt      60
tagctggtat agcagacagg gaaaagtgag cacattccca tctttaagag cactgcttct      120
aaattctgtc actctttttg ataggaaatt accctaacag cctcattttt tccatcttag      180
ccttcacaac aaataataaa taaagaagga gtgatatagt catactgtat tatacctact      240
tactatactt attcgtagtg atactgtatg agagtactgg tcaggggatt gggatttgaa      300
ggttctagtg ctggctctga tactacctag tagggcaatt tagtcatgtc n                          351

```

<210> 2848

<211> 345

<212> DNA

<213> Homo sapien

<400> 2848

```

tacggctgcg agaagacgac agaaggggtc ccatgggggtg cacagaatgt ctgtgagact      60
gatggagtgg agaacgccat cccccagcct ctccagctac tcgaggcatt ctgtagaaca      120
taagcccata gattgtgtgt gtgtgtgtgt gtgtgtgtgc atgcgcgcgc gtgcgcactg      180
gaggaaaccta agaaactatg tggcgcactt tctcttattt tagagctccc agagtgtagc      240
tccagaatcg taaagggata tgctcagtct cacagccagc cgtgggatct cagtcccaac      300

```

345

<211> 368

<213> Homo sapien

aatttcggtt	ctgtcggcgc	cgggggcgca	gcttatgagg	gcgcgggacc	tgggaagccg	60
attgcaatca	gttgtcagac	ccgggaagcc	cgacgttccg	ctctcccgag	tccctctgtg	120
gggtgaggaa	tgggtcttgt	gaaattctga	gcaaaaacaa	aggcaaactc	tatctccgaa	180
agggacgttt	gggtcacatt	tctctcttgg	gggcggactc	caaagtcttc	aaaatgagaa	240
ggcagaaatg	aaaacacttc	aacttttttt	ttcttttctt	cccggggcgg	gtgtcttgaa	300
ccctctttct	ccccgccctt	ctgggtccgt	tctctctccc	tctccacc	gtctcccgga	360
ctcggggg						368

<211> 347

<213> Homo sapien

tacggctgcg	agaagacgac	agaagggcac	tagctgccag	ggcagttggc	tgggcactga	60
gaggctgttg	gagccttatt	ttcttactta	cttctggcct	ttccaatttg	ctctatactc	120
ctatccatga	aaaccaacca	caaatccatc	tgtactacct	acccgtcatc	ttctctaaaa	180
gcaaacaaaa	caccacacac	acaacactat	actgtcttaa	aaagtctttg	caaatgcata	240
cctctgtgga	ttgaaagccc	tctcccagtc	ttcttatctc	aaaggccaaa	ctcaaaatct	300
acttcagtga	gactttctct	cattctaaag	caagggctcc	cccaacc		347

<211> 343

<213> Homo sapien

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<221> misc_feature
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<223> n = A,T,C or G

tacggctgcg	agaagacgac	agaagggggg	aagctcaggg	ttggactttt	gatgcctcgc	60
aaagctgtga	tacagatact	tacacatcta	aaacagaagc	tgatgacaag	aacgatgaaa	120
aatgcatgaa	agttgactta	gtatcttttc	catcttcacc	tattatgggt	gataatgata	180
gctctggtac	aagtgataag	gatcatagt	aaataacttga	tggaattagt	aacataaaaac	240
tgaattcaga	ggaagtaaca	cagagccaat	tagattcctg	tacaagtcac	gatgggtcatc	300
aacagctaag	tgaagttagt	agcacaagag	agtgcctcgc	ttt		343

<211> 374

<213> Homo sapien

```

<400> 2852
tacggctgcg agaagacgac agaagggaca aacaatagct gagcacaggt agagcgtgac      60
cagggagagc gcggatgctg gcgcaggaag gctctgagga aggctgcaca cacaggatgg      120
ccctctccag cttcacgtcc tcaggggttac agatacagcc ggggctggtg gtcacagcaa      180
gcaccctcca tctctgctc tgctcctaag gggcccttct ggtgtccagc ctggggcctt      240
tgctaggta gagccaaggg gatccgtggg aagcatgtga tggggcaggg cagagggctg      300
gggcgagggg ggagttcagc acaggaggtg tgtcacagtt ggggcgtagt tgtaagtgt      360
ggcctcatgt gtgt      374

```

<210> 2853

<211> 377

<212> DNA

<213> Homo sapien

```

<400> 2853
tacggctgcg agaagacgac agaaggggaa tcaggattca gactccataa aaaagcctga      60
agaaatcaaa caatgtaatg atgcacctgt ttctgttctt caggaagata ttgttgaag      120
tcttaaattc acaccagaaa accatcctga gacacctaaa aaaaagtctg atcctgagct      180
ttcaaagagt gaaatgaaac aaagtgaag tagattagca gaatctaaac caaatgaaaa      240
ccgattggtg gagacaaaat caagtgaaaa taagttagaa actaaagttg agacccaaac      300
agaagaactt aaacagaatg agagcagaac aactgaatgc aaacaaaacg agagcaccat      360
agttgagcct aaacaaa      377

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<210> 2854

<211> 371

<212> DNA

<213> Homo sapien

```

<400> 2854
ggcacgaggg cagaggttgc agtgagccaa tattgcaccc ctgcaactca gcctgggcaa      60
ccaagtgaga ctgctctttt taaaaaaaaa aaaaaaaaaa aaaagggggg cggaaatttg      120
gggggggggc cccaaatttt ggatttttaa aaaatttggg gccggggggg ggggcctaac      180
ccctaaaacc ccaccttttt ggaaggcaag ggggggggaa aaactggggg ggggggttca      240
aaaaccaccc gacccaacgg ggaaaaaccc ccgtttttat aaaaaaaaaa aattaacccg      300
ggattggggg ggtggccctg aatccccact ttcccggggg gtgggggagg gaaaactgtt      360
taacctgggg g      371

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<210> 2855

<211> 347

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(347)

<223> n = A,T,C or G

```

<400> 2855
tacggctgcg agaagacgac agaaggggtg ggaaaggcag agaatgtctg aattcttggg      60
tctcttccta acctgatttt gagagagccg tcatgacccc acccttatcc tagccttatt      120

```


ttctgcaatc	tcaatctgtg	tggggtaggc	tggatatctg	agggccttgg	caattccttc	180
ctggaatatg	gggaggagag	gagagaagag	tcanggccca	ggcttgggtct	agcctatggt	240
cttgacaggg	ggagagcttt	ccacagccag	gcctaccatc	aggggaacaa	ctggaggggtc	300
ttaaacaatgc	ccaggactca	aatccccgct	cttctacttt	tgggatg		347

<210> 2856

<211> 329

<212> DNA

<213> Homo sapien

<400> 2856

tacggctgcg	agaagacgac	agaagggact	ctggctgccc	agacaacatc	caggcctttc	60
cccgtaggca	gcgctgccag	gaggcagcag	tgaaggtccc	cttggctctc	tggccccagc	120
ctccctccct	gttccacctt	ctgcagtctg	aggcactcgc	tttggcctca	ggacacacct	180
gccttgctcc	ctctgcaggc	cataacatcc	ccttcctctg	acctcttcta	aaatctcctc	240
tctcacgtgg	ttccttcata	ctatggccca	ctggactact	gagcctaate	atccaaaaat	300
tgaaacccct	tttcttcaag	ggtgggaag				329

<210> 2857

<211> 325

<212> DNA

<213> Homo sapien

<400> 2857

tacggctgcg	agaagacgac	agaagggaaa	ataatcatga	aaacgatttg	cggaatgaga	60
taaaacttca	gaaattagat	gaccaaattc	tacaacttct	aaatgaaact	tctaattcaa	120
tagataacgt	tcttgagaaa	gaccccagac	caaaaagaga	cacagatata	acttctgaaa	180
gtgactatgg	aaacagaaaa	gaatgcaata	gaaaagttcc	tcgaagatca	aaaatccctt	240
atgatgccaa	aaccattcaa	actattaagc	accacaataa	aaactacaac	tcttttgtaa	300
gttgtaatcg	taaaatgaaa	ccacc				325

<210> 2858

<211> 380

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(380)

<223> n = A,T,C or G

<400> 2858

ggcacgagag	agagagacat	ctgacttact	gtagatgagg	nacctcaatg	caacgctgta	60
gctagctgtg	acaactgatt	agtcctctgg	gaagacaagc	gggttatatc	ctacgaacca	120
tgtctgatca	attagtagtg	gctgcctaga	actgcactgg	ccaatatgtg	aaccattggc	180
cacatgtttg	tacttaaagt	gagaaattca	ttgcttcagt	cacactagcc	atattacaag	240
tgctctatgc	cgggacactg	aacatttgca	tcatcacaga	aatttctatt	ggccagcgct	300
gacttagaac	gtcatgttgg	gaagagaagt	gaggccgtgt	ctaggaagca	tgagagatca	360
tcatggtcca	ttagcaatgg					380

<210> 2859

<211> 463

<212> DNA

<213> Homo sapien

<400> 2859

cgttgctgtc	gctctcctcg	aggtgccccg	ctgtgaccag	cagacctgca	cacagacgca	60
agacaggata	aacatctggg	aagcacagg	atatgaggca	cagaaacaca	aggcactgtg	120
gatgctctt	ctgtctggac	agaaaactgg	agtcaggaga	cctctctgag	tccccagaga	180
cagaatcatc	actactgtgt	gtccttggaa	cttaaagtag	taaaaaaaaa	aaaaacccgg	240
ccgaaagtgc	acagcttgca	ccttgaaaaa	ggaccctcac	aaaaacccaa	ccatgctggt	300
acctgatttg	ggacttccaa	acttccaaaa	ctgtgagaaa	aaaaatatgg	ttgtggttta	360
taagccaccc	acactatggt	attttattat	accaccccaa	ccaaacgggt	agggtaaagg	420
tagggatttt	ggccaatttt	taccttacct	ctcaacatta	gaa		463

<210> 2860

<211> 422

<212> DNA

<213> Homo sapien

<400> 2860

ggcacgagga	gagagagaga	gttagagtta	tagagagaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagacaga	gagagagaga	120
gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagcggcc	180
ctctctctct	ttttttctgt	cgctcttgcg	atagatatct	ttttttctct	ctcgcgctgt	240
ttttctcaca	cacacacaaa	aaagcgctct	ccccctacac	gccccccct	ctctgtggag	300
tgtagaatat	gtgtgcgcgt	gctttctttc	tctctctctg	tgaggggggt	ttccccccct	360
tcgtttgtgt	gtgggctctt	tatgtgtgtt	ttctctcgcg	cgcccgacac	ttttaaaaaa	420
422						

<210> 2861

<211> 380

<212> DNA

<213> Homo sapien

<400> 2861

tacggctgcg	agaagacgac	agaaggggtc	tgagtatagc	aatatctgtc	ttcaaaatgc	60
aattttcatc	catcagatct	ttcatttctt	catgattatg	aaaatcctaa	ataaaacaac	120
agaaagtttt	agctagtact	caataaaata	acatatcatg	attacctctg	aagttaaaga	180
ataacctgca	catccatgca	ctaaaaaggt	tactgtaagt	ggatatccaa	ctggagaaaa	240
agttgaagca	aaattttgaa	ccttatagag	cataaattcc	aaaaagttca	gaaattttatt	300
taaagtcaat	gaattttataa	aagtaaacac	gcacacacac	atgcacacca	gagagttttt	360
aagagtttca	gaattggaat					380

<210> 2862

<211> 450

<212> DNA

<213> Homo sapien

<400> 2862

tcttcttttt	taggatecca	tcgactcgaa	ttcggcacga	gtgggtgttc	actagtatgt	60
tgaaaatgtc	atatcatgga	gaatggagac	accttcagg	tgtctgttaa	acccatcttc	120

tctgtgtact	tctggcatct	tttttggttag	gatcatttgg	caggggggag	gggtggaagg	180
cttttggcac	cattgaaacc	agttctggcc	catttgtttg	aatagctaac	atacacatca	240
gctctatacg	cttcatatac	cacctgatag	aaccctgtaa	taatgctctt	gaaagtgtaa	300
cactcatgct	tcctaccaca	agcaattaac	ataaagctta	tacgccagct	gtacgacgcc	360
cattgtttac	ataactcctc	tacttttaac	tcaaccatct	tttgaccccc	tcgattcgat	420
cagctccacc	tctagtctct	acgtatcgct				450

<210> 2863

<211> 398

<212> DNA

<213> Homo sapien

<400> 2863

tacggctgcg	agaagacgac	agaaggggaa	gagctctagt	tctttgacag	ttgcagtgtc	60
aatggcttca	agtttattga	atgtctcaaa	attatgtttt	gagtaaggcc	tttgccttca	120
ctcaaatatt	caaattattt	tcatacataat	ttaaatctcc	aaatatatag	tgttttattt	180
tcagatatga	tatatactgg	aaacaggggc	aagtattctt	tatcaatatg	atacttttag	240
aaaataattg	ttttcatttt	tgtgaaattt	atttcagaca	gtctcaaccg	ccagtgaact	300
acagaaacca	atttactgga	ttgtagctgg	taaagccctt	gattatgaac	agatgctgct	360
tctcatggct	aatgtgaaat	gggatgtaga	aaaaaata			398

<210> 2864

<211> 408

<212> DNA

<213> Homo sapien

<400> 2864

ggcacgagga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	60
gagagagaga	gagagagact	ctctctctct	tacatagcta	gatatacaca	tatacacaca	120
cagacagaca	cacctgggtt	tgtctctccc	ccctctctgg	tgtctccaga	gctacgcttt	180
ttttgtgatg	tctctcgcgc	tttctctctt	tgtcgcacac	ctctactgcc	cccccttctc	240
ttttctctct	tcgcccgcct	tttttttttt	tttcgcacac	actgcccggg	gtgaaactcg	300
ttcccccccc	cccgtctctt	ctttttttat	gtcacgctcc	ccgagggagg	cgtggctgag	360
aatggcttcc	atggagtctc	cccgtgaatg	cttttctctg	ccacaccg		408

<210> 2865

<211> 399

<212> DNA

<213> Homo sapien

<400> 2865

gatcaattcg	gcacgagagc	atgtgaaaag	tccctggggc	agaatcaagc	ttggcatctt	60
caaggaaatg	acagagaggc	ccatgttgca	tgggtggaga	ctggcatgag	atgaggctgg	120
agaagggtca	ggccacacag	ggctggataa	agggctctga	cttcattctt	ggtgtgatgg	180
gaagcccttg	gaggatttta	agcaaaaatg	tgccacgatt	catgctggtg	ggtctgtgga	240
agatggattg	ggataagggtg	gggagtaggc	tgggaagggtg	atctaccaaa	ctccatcctg	300
ctatgaccgc	tgcccttaac	tatttaaagg	accctggctc	gaaggggtga	ggaggacatt	360
ttatcggaga	cagagccctg	agggacctga	ccccatggg			399

<210> 2866

<211> 388

<212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(388)
 <223> n = A,T,C or G

<400> 2866
 tacggctgcg agaagacgac agaaggggat gaggaagaaa tacgaaagca gtaaaatgaa 60
 caatgagaat ctgttaccca aactgatata aactccctca gaaagaaaga tactactccc 120
 taatcctgga agtggttaagt ggcaataatg atcaaagtgt gtaaagggga ttgttactac 180
 agctaatatg aaatggggagg ctggactaaa tctaaccctt ctacccttga tttcaattct 240
 aaaaggacac gtactaccat tgcagaaaga aaagacagtt ccaaagtata aatttttagag 300
 ttgttttgct aggatgcaag agaaattgga taagtggacc actcatacgt tgctggtgag 360
 atatgaaata gtagagccac tgtggaan 388

<210> 2867
 <211> 409
 <212> DNA
 <213> Homo sapien

<400> 2867
 ctggagtgcg gtggcaccat cttggctcac tgtaacctct gcctctgggg ttcaagcaat 60
 tcttctgcct cagcctcctg agtagctggg attacaggtg acccgcccac ctgggcctcc 120
 cgaagtgctg ggattgcagg tgtgagccac tgcgtccagt ctgggcgcca agtttaagaa 180
 gagcatattg tcatggcctt acatcagtta tatgctcctg ggtaacaaac taccacaaaa 240
 tgaagcgact taaaacagta agtccttggt catcatcatg tgggagtatg gatgtgggca 300
 gggctcatct ctgttcactg tgctggccac gctagcaagg gcaattaaca gttggcaggt 360
 aggctggcct gtgcttccca ttgccctcac ccacatgggc tttcagccc 409

<210> 2868
 <211> 413
 <212> DNA
 <213> Homo sapien

<400> 2868
 ggcacgagga agtaaccacc attccacact ttcactgcct aggctccaag tctgaataga 60
 tttttgaaat aggaactccc ttttgcaaaa aagaaacctg ggtgtcagtg aggtgaagtg 120
 acttgcctta tgagcagaca gcatgccaaag aatggaatta ggctcaggat ccagcctggg 180
 ctacacctgt gtggctcatt cccaccaggg aaactgaaga taaaagattt gggaaaacac 240
 accaagaaaa aggggcagtt ttctttgccc aagcatttgg tgctagttag aggctgttca 300
 ctctctcctg ctctctctcg gagtagaaat aaaggctgtg acacaaggaa gccagtgggg 360
 tgggagggag gcaccataat cctccctat aaccacaga agactaacct gat 413

<210> 2869
 <211> 401
 <212> DNA
 <213> Homo sapien

<400> 2869

```

ggcacgaggg aggcattccac ccacccagtg ggaatcggga tcgttcactg attcagcata      60
tctgccctgg gtgtccctgg gtgtggcagt cgggaaggca ggctccggtc gggatggcag      120
ggtcgggtggc cctgaagaag ccccccacccc agcagggagg caggtatcca gttagcagga      180
gaaagcaaaag tggatgatag atagcgaagg gtgaggggat gtcaggtgga gggcacagca      240
agtgcaaaagg ccctgatatg ggaccaggaa aaggagctgg ggctgggccc aggtggagga      300
agaggcagcc tgcaagagtg ccagatgggc cccagtgggt tgtgtgtgca gaagtgcgct      360
ctggctccca ggtggagtgg ggcttatagg ggtcaggaac a                                401

```

<210> 2870

<211> 414

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(414)

<223> n = A,T,C or G

```

<400> 2870
ggcacgaggt ggtgctggcc cgggccagcg gggccttgcc ccctgagcgg ctgagccggg      60
ggtctggggg cacctctcag ctgcaccatg tggacgtgtg gcccctcaac ctgctgcggc      120
cccggggttg gcccggctat gtggatgtct gcggcctctt cctgctgcag atggcaacca      180
tcttggggcat ggtgcccgtt tggcatagcg cccggctccg gatcttcctg tgcctggggc      240
ctcgggaggg gcctggggcg gccgaggggc ggctgcgggc actgctgagc caactgagga      300
tccgggctga ggtgcangag gtggtgtggg gcgagggggc cggggctggg gaacccgagg      360
cggaggagga aggggacttt gtgaacagtg ggcgngaga cgcataggca gagt                                414

```

<210> 2871

<211> 398

<212> DNA

<213> Homo sapien

```

<400> 2871
ggcacgaggg ggaacgcaca aaaaatgttt tctccaaaga agcattcggg tagcacaagt      60
gatagaaacc aggaggagag acagtgcatt aagacttcat cactgtttaa aaacaaccct      120
gacattccag aactccacag acctgtggta aagcaggtgc aagaaaaagt gtttacttca      180
gctgcttttc atgagctggg cctccacca catttaattt ccacaataaa tacggtctta      240
aaaatgtcta gtatgaccag tgttcagaag caaagtattc ctgtgttgct ggaaggcaga      300
gatgctctcg tgagatccca gacgggctca ggtaaaactc ttgcctattg catccctgtg      360
gtccagtcctc ttcaagcaat ggagtcaaaa atacaggt                                398

```

<210> 2872

<211> 402

<212> DNA

<213> Homo sapien

```

<400> 2872
cacgcgagcc gagccaagat gtccaaccga gcggtttgct gatatttttag ccacgccggg      60
agctggtaca gacgctcagg accgcagctg aatgcacatc tagaagggtg gctttcacaa      120
ggacaggcta caattagacc tgctagagcc attattgccc cccggagaat tatcatcctt      180
gggccttctc atcatgtgcc cctctctcga tgtgcacttt acagtgtgga tatatatagg      240

```

acacctctgt	atgaccttcg	tatcgacctt	aagattttacg	gagaactgtg	gaagacagga	300
atgtttgaac	gcatgtctct	gcccacagat	gaagatgaac	acagtattga	aatgcatttg	360
ccttatacag	ctaaagccat	ggaaagccat	attgatgagt	tt		402

<210> 2873

<211> 391

<212> DNA

<213> Homo sapien

<400> 2873

ggcacgagag	gacgtggagc	gctgccttcg	ggacacgggt	gtgcagggcg	tcatgagcgc	60
agagggcaat	ctgcacaacc	ccgcgctgtt	cgagggccgg	agccctgccg	tgtgggagct	120
ggccgaggag	tatctggaca	tcgtgcggga	gcacccctgc	cccctgtcct	acgtccgggc	180
ccacctcttc	aagctgtggc	accacacgct	gcaggtgcac	caggagctgc	gagaggagct	240
ggccaaggtg	aagaccctgg	agggcatcgc	tgctgtgagc	caggagctga	agctgcgggtg	300
tcaggaggag	atatccaggc	aggagggagc	gaagcccacc	ggcgacttgc	ccttccactg	360
gatctgccag	ccctacatcc	ggccggggcc	c			391

<210> 2874

<211> 382

<212> DNA

<213> Homo sapien

<400> 2874

ggcacgagcc	aagatgtcca	accgagtggc	ctgccgagaa	gccagtcacg	ccgggagctg	60
gtacacagcc	tcaggaccgc	agctgaatgc	acagctagaa	ggttggcttt	cacaagtaca	120
gtctacaaaa	agacctgcta	gagccattat	tgccccccgg	agaattttca	tccttgggcc	180
ttctcatcat	gtgccccctc	ctcgatgtgc	actttccagt	gtggatatat	ataggacacc	240
tctgtatgac	cttcgtattg	accaaaagat	ttacggagaa	ctgtggaaga	caggaatgtt	300
tgaacgcatg	tctctgcaga	cagatgaaga	tgaacacagt	attgaaatgc	atttgcctta	360
tacagctaaa	gccatggaaa	gc				382

<210> 2875

<211> 386

<212> DNA

<213> Homo sapien

<400> 2875

ggcacgaggg	cggctgcgcc	gggacatcag	tgagcgcggc	cgggacatcg	aggggtgtcat	60
caagcagtag	aacaagtttg	tcaagccctc	cttcgaccag	tacatccagc	ccaccatgcg	120
cctggcagac	atcgtgggtc	ccagagggag	cggcaacacg	gtggccatcg	acctgattgt	180
gcagcacgtg	cacagccagc	tggaggagcg	tgaactcagc	gtcagggctg	cgctggcctc	240
ggcacaccag	tgccaccgcg	tgccccggac	gctgagcgtc	ctgaagagca	cggcgagggt	300
acggggcatg	cacaccatca	tcaggggaaa	ggagaccagt	cgcgacgagt	tcattcttcta	360
ctccaagaga	ctgatgcggc	tgctca				386

<210> 2876

<211> 367

<212> DNA

<213> Homo sapien

<400> 2876
 tacggctgcg agaagacgac agaaggggtt tgctataaac gtgtgtttat ttagtcctaa 60
 tgttgtagg atgattctca cttgttattt aacctcacc tgattttacc acaggcttat 120
 attgacataa ttttaactta gtgcttctca agggagattg ggggtggagtc aggatgtttg 180
 gaattacctt ttggattgta acagactatt ggccaggcaa gctaaaagtt ttgcagtact 240
 gatgagctgt agggggaaga attgcttcag ccaaaatgcc actagctccc cttttgaaaa 300
 cagtacaagt ttaacttaaa ctaaattctta atgacagtga aagttaattc ccagttatta 360
 tctttga 367

<210> 2877

<211> 357

<212> DNA

<213> Homo sapien

<400> 2877
 tacggctgcg agaagacgac agagggggat acaactaaag aaagagatac acgatgacct 60
 agatatatga gtgaagaaat tatccagaat gtatcacaga gaaggaaatg ggcaaaaaga 120
 aagagggtaa gatatatatt tataaacaca cacatacaca tattacataa aatgagaaaag 180
 tgacatgtct ttcattagtt ttccaagagc agaagggaaa aataatggga aaggaataga 240
 caatatattga tgagataata gttgagaatg tttcagagct gataaaaagc accatgacaa 300
 atttgagaag ctgagagaac tgcaagcaga ataacgtaaa gaaaatatgc ttctaag 357

<210> 2878

<211> 376

<212> DNA

<213> Homo sapien

<400> 2878
 ggcacgaggg gctaccaatt tgagaccatt ggtctggtag atacactttc attaatatac 60
 ttactccatc actcttttcta tatttttagaa gttactagta gaaatgtatg caggagtcac 120
 tggagacctt attaaaatgc agcttctgat tcagttagct ggggtggggc ctgagagtct 180
 gcattttctc caggctccct ggtgctgccg gtggtgctgc tctgagtaac aagggggtgg 240
 ggaatgatat ggagccgtcc attattatcc catctgacaa atgagtcaca gagcccttag 300
 gtaattgagg tgggatcagt ctgattctgt aagctgtgtt ttcagccaca acatttactg 360
 caaacttggg gtaggg 376

<210> 2879

<211> 367

<212> DNA

<213> Homo sapien

<400> 2879
 tacggctgcg agaagacgac agaagggtcg gtaaagatta tttaggttcc cctgattttt 60
 ctaagcagtt taccaggtgt ttacataagt catggaaaaa tatggatggg acatttcttg 120
 aacttcatgt tctgagcagg atagtgaact cctattgtac ttgacaggat gaagtatctg 180
 caagatgtgc cttcaggcag ttaaataact tgacctgctg ttagaaatct tttttatatt 240
 ttattttatt ttatttttgt ttattttatt atttttttga gacggagcct cactttgttt 300
 cccaggctgg aatgcattgg tacgatctcc gttcacacgc tctgcctcct gggttcacgc 360
 cattctc 367

<210> 2880

341

<400>	2884							
tactactgct	gcgcggaagac	aacagaagg	acacagaata	agttctatag	atctaattgta			60
cagcatggag	actacagtta	ataatactgt	attgtatatt	taaaatttgc	aaagagtaga			120
tcttaagtgc	tctcaccacc	aaagaaagg	aactgtgaaa	agagatgtaa	actctatctg			180
gactagagta	acctcagttc	actaagggtc	ttatgaatat	gtatatcaga	acatcatgct			240
atacacctca	gatacacaca	atttcaatta	aaaaatttta	aaaagaagaa	atcagttctgt			300
gtcacattcc	agtgatcttt	gtttcataca	ttgctttggc	tgaaggaagg	gg			352

<400> 2885							
tctacggctg	cgagaagacg	acagaagggg	ggaggatttt	tgatttttct	actttttggt		60
gaaaaaagga	atttgtactc	tgtgcattgg	atggacttgt	ttggtacttg	ggattttcct		120
ctcttaaccg	tcaacatcag	tgttggaat	ttgctaaact	gattcacttt	tagcagcaga		180
ctttgaactg	cagtcctgcc	aacgttggac	actgaggacg	cccacacag	cttgtgcacc		240
taagctgcag	accaagcctt	tgcccagaat	ttaaggattc	caatggacga	cctatttgca		300
cagaactgca	tgctgattat	cactgccttt	actccttttt	tttt			344

<400>	2886										
tacggctgcg	agaagacgac	agaagggggt	aaaaaagaac	catggagacg	gatgcattaa						60
ctaagcccag	gggtcctttt	tcaatcctca	tctcacttga	cctgttggtt	ccatttaacc						120
agatctcttc	cttgaaacgt	ttttattttt	tttttacttt	gcttccaggg	ttttgttaca						180
tgtttctgtt	acatgttaaa	cttcttttctg	ttggagtgcc	ccatggttca	gtccttccac						240
ttctcttttc	tgtccacact	ctgggtccaa	tttcattcag	attcattcat	gatgtaatat						300
accacctata	agctgatttc	gacacttaag	atcag								335

[illegible]

tgatattaag	tgaaaaaaaa	acaggttgct	ggctgggcat	ggtgggttat	gcctataatc	180
ctaacacttt	gggaggccaa	ggtaggagga	tcgcttgagc	ctaggagttt	gaggctatcc	240
tgggtaacaa	agtgaagacc	atctctacaa	aaaaaatcaa	gaaattatct	ggatgtggtg	300
gcacatggtc	ccagctacac	tgagggtga	ggcgggagaa	tcacttgagc	ccaggaggtg	360
gagtctccag	tgattcatgt	ttgtgttatt	gcactccagc	ctgagcaaca	cagtgaagacc	420
ctgtcttaaa	aa					432

<210> 2892

<211> 434

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (434)

<223> n = A,T,C or G

<400> 2892						
annncaattc	ggcacgagga	gagaactagt	ctcgagagca	gnnnnttttt	tttttttttt	60
ttttttttac	aaaatgcccc	cttgggccca	aggggcaaaa	atttaccttt	gcttaggggt	120
tttttttttt	taaaaaacca	accggtttta	atccccctcc	tttaccccct	ggaaccattg	180
gggggaaaaa	aacccttttg	gaaaaaccca	tttttcaaa	gaagggttcc	ccgggggggt	240
tttaataaaa	atattgttgg	gaaaaaaacc	aaaaagccct	ttgatttaaa	aaagggataa	300
agggaggggc	cctgaaaaac	cccccccttt	tttatttttt	tttggggggg	ataaaaccta	360
aaaagaaaaa	gggttttttcg	cccttaaaaa	agaaaaattt	gccccccaaa	aataaccccc	420
cttaaaaaaa	tttt					434

<210> 2893

<211> 425

<212> DNA

<213> Homo sapien

<400> 2893						
ggcacgagga	gagaactagt	ctcgagagca	gttttgttca	tctcttcttt	ttgtccttta	60
tctctctgcc	actgttctca	cctcatccta	aaacctgggc	aggaggggtt	gaaacctatc	120
agaactaaag	gttaatatct	catctccctc	aggctttttt	catttaaaaa	aaaaatgggt	180
atattagtta	aattaaaata	cttgttgtaa	aattattgtc	aaaggggaag	ggaaatacat	240
ctaggggaaa	catcatgtct	tttaggccct	ttatgtcact	gaatgactta	aggctcgaca	300
aatgatattc	ttggaaaagt	taatcttgag	gttttcaaat	cttttttttt	aatggctccc	360
atgtttctca	tttgtctgatt	gattcattag	ttgtctctta	gaagatttcg	cagttggaaa	420
taatg						425

<210> 2894

<211> 403

<212> DNA

<213> Homo sapien

<400> 2894						
ggcacgagac	cattcttgcc	tcagcctcaa	ttcccattct	tgttccagcc	ctagcatcaa	60
cttcagctcc	aacgccagcc	ccagcagcct	cttccccagc	tgtcccagtc	atcacagcac	120
caactatccc	agcctcagcc	ccaactgcct	cagtcctcact	tgtcccctgcc	tcagcttcag	180


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ctcttcagaa aattgtttta aaaagttagc caggcatagt tagtggccca cgctgtagt 180
ccgagctgtt tgggaggttg aggtgggaag attggttgag cccaagattt tgaggctgca 240
gtaagccata attgtaccac tgcactccag cctgagcgac agagaacaag accctgtctc 300
ataaataaag tgggggaagg ggtgcaaat tacactgtga gaagccaaga agtttcaaag 360
ttctatttat ttttctaagt cattcttaat cattatttgg tgtttcagt tttgaattt 419

```

<210> 2898

<211> 387

<212> DNA

<213> Homo sapien

<400> 2898

```

tctacggctg cgagaagacg acagaagggg aaaaatctct ggtcatctcc gagaattaac 60
ttgcaactgt tttctatagt gctgtcgtct tgggcaatgg gcaattacat gactttgtgt 120
ttgcttcctt tgcagtcttt ttttttccc cccatttttt cctaatagga aaaaaaaaaa 180
aaaagggccc ccctgggtggg gcctatttct ggtggcggga aactttgaag tcccaaaaat 240
ttggaggggg ggttttttta cccttggggg cggggggggc cggtttctaa tttttaattt 300
ttttaaaaat cggggctaac ctccggggga aaaaaactgg aaaccgcttt tattaacct 360
ttctttataa aaaatttttt ttttatg 387

```

<210> 2899

<211> 411

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(411)

<223> n = A,T,C or G

<400> 2899

```

cgttgctgtc ggccacgaac acagccttgg gcccttgggtg atgcgcgccg ctcttgagtc 60
ggtcagatgc caaacgcaaa aaaaagcctt ctctctctaaa gacacggaaa tgcaccgagt 120
ccggctctga ctacccccca aatccttacg gtcccccaac tcggcagcca aaatcgaaaa 180
ctactctcgt ctacgcgcc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc 240
cccggccggt gtcgcccact tcggacggca tcccagagact acccttctca aggccgtatg 300
accagtccga gctgccatga tagactctcc gaagccgggtc gtgacctccc ggaccagccc 360
tgcagcaccg acctcctctg gtcgggcccg gagcccgggt ccggtctctt n 411

```

<210> 2900

<211> 407

<212> DNA

<213> Homo sapien

<400> 2900

```

ggcacgagaa ggccgtgggg ctggagcatg tgggtgcctg ctggggagcc tgggtcaggg 60
acagggtcat ggagtgtagg ggactggacc acccagggca tgcgagtggc tgagccaggt 120
tgccggcaga ggggtggccag gggcccatgg gagcatttgc aggtgagctc cctggggagg 180
gttactgtgg gcgtggacga ggctgcctgg gcgtgtggct cagggccggg cctggtgagg 240
tggctgctgc aggggtggctg atgacagaca ggtcttgggg aggaggacc gggactcggg 300
atgagcctgc gtctggctgg gtggtgcctg ctcttgttt tgtggtggga gactgaaggg 360

```

```
<210> 2901
<211> 401
<212> DNA
<213> Homo sapien
```

```
<210> 2902
<211> 375
<212> DNA
<213> Homo sapien
```

```
<210> 2903
<211> 350
<212> DNA
<213> Homo sapien
```

<210>	2904
<211>	369
<212>	DNA

<213> Homo sapien

<400> 2904

tacggctgcg	agaagacgac	agaaggcaga	catacgggca	cgcaccacca	tgcccagcta	60
atTTTTaaat	TTTTagtaga	tctgcggtct	cactatgttg	cccaggctgg	tcacaaactc	120
ctggcctcaa	gtgattctcc	ttccttggcc	tccaaggca	ctgggattcc	aggcatgagc	180
cacatgccc	agtctcattt	ctgttttatc	tagaacatgt	tttcatcaca	ctgacttttt	240
tgagaagtcc	aggccaattt	taaatttcat	tttgtctttt	tatcagtgga	aaagtagcat	300
atTTatgttg	cacgacaaag	atgaatcaaa	taggaagaaa	atgtaaaaca	catttggggc	360
cgggcacag						369

<210> 2905

<211> 372

<212> DNA

<213> Homo sapien

<400> 2905

tacggctgcg	agaagacgac	agaagggtag	cacactgaat	tatgggggtgt	gtgtttgtgt	60
gtgtgtgtgt	gtgtgagaat	tctaagctac	cttgtgattc	tcataattag	ctaggttttg	120
aaactcttgt	gtgatatggt	ttttattttg	tattttttgc	tttatgtaaa	acgtcaatgg	180
tttgcctgact	ctttaatctt	acaattattt	tacatttgaa	ccttgccctct	agccccatat	240
atttaagtac	tttgaataca	catgaataaa	tttagttgac	cattaacagg	agtgggtgcc	300
aacatttctt	aacctactgt	gttattttta	tctattttga	gagatggggg	cctgctctg	360
tgcccacgct	gg					372

<210> 2906

<211> 363

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(363)

<223> n = A,T,C or G

<400> 2906

actacggctg	cgagaagacg	acagaaggga	ttctcaattg	caaattggtt	aatatccaac	60
tccagatggc	ttccttaagc	aacaaaagga	gtttcttagt	ttgagcagag	gttgatccag	120
tgagtcaata	atgtcaccaa	gaaatgtgtg	tgtgtgcgtg	tgtgtgtgtg	tgtgtgtgta	180
tgtgtgtttc	catgtgtctt	ttgtgccatc	tatatcagtt	tcaccctatt	gttgagaggt	240
gactcatgct	cacatgatgg	gtggcaacaa	ttacagagnt	aatgtttttc	tcatatacat	300
ttaaaatttg	acaaagagac	aaagagatat	ctttgtctta	tctcagcctt	ttaattcgca	360
ccg						363

<210> 2907

<211> 375

<212> DNA

<213> Homo sapien

<400> 2907

cgttgctgtc	gcataaattt	ttgttttttt	cactgatgga	tctcaatgct	tagaacagt	60
------------	------------	------------	------------	------------	-----------	----

tctggtgcat	agtagaagct	caataaatgt	ttgttgaatg	aatgaacaaa	tgaaagaggt	120
ggctgggggt	atgctgtttt	atataaggtg	gatcaaggaa	gggctctctg	ataagagaat	180
gtttaagcag	agatggaatg	aagtgagggc	cagaatcttg	ctcatatctg	gggaaagcat	240
ctctggggcac	aggaagagcc	agtgttaagg	ccctgagcca	ggaacatgct	tggtccttgg	300
aggaacacca	catctgcttg	tgactgaagt	ccagtgaagag	taggaaagag	gagatgggga	360
gtgaaaacag	catag					375

<210> 2908

<211> 374

<212> DNA

<213> Homo sapien

<400> 2908

tacggctgcg	agaagacgac	agaagggcca	cgtggaactg	taagtctatt	aaacctctct	60
ttatitttgta	aattgcccag	cctgttatgt	ctttatcagc	agcttaagaa	tggttaata	120
cacccacaaa	agaccaatca	gaggcatcat	ttctcccaaa	acttaaagtc	ttactgctt	180
ccccgagttg	ctgattatat	aattattgaa	aaataaaaata	taaagatgca	gcaatacatt	240
tgcaatatatt	atatttctat	tatcataatt	cccagagtgg	tttttttagac	ctatctctaa	300
gtatatatag	attcaatacc	aattcaatga	gttctctaac	ccagagatct	ttgattttatc	360
ttctatgggt	aggc					374

<210> 2909

<211> 352

<212> DNA

<213> Homo sapien

<400> 2909

tacggctgcg	agaagacgac	agaaggggtca	ctggataaat	ttattgaatc	tattcagtca	60
attcctgagg	ctttaaaagc	tgggaagaaa	gtgaaactat	ctcatgaaga	agttatgcag	120
aaaatcgggtg	aactctttgc	tctaaggcac	cgtataaact	tgagttcaga	cttcctgatt	180
actcctgatt	tctactggga	cagagaaaac	ctggaaggac	tttacgataa	aacgtgtcaa	240
ttccttagca	ttggccgaag	agttaaggtc	atgaatgaaa	aacttcagca	ctgcatggaa	300
ctaacagatc	taatgcggaa	tcacctgaat	gagaagaggg	cactccgctt	gg	352

<210> 2910

<211> 340

<212> DNA

<213> Homo sapien

<400> 2910

tacggctgcg	agaagacgac	agaaggggat	cagcctgggc	aacatagtga	taccctatct	60
cttaaaaaaag	agaaggtttt	taaatttgaa	ataataatag	gtactggatt	tatgcaaagt	120
tcttttctgc	gtcttttgag	atgagtatca	ggtttttttt	ttttcctttt	atcatcggag	180
gaggaactta	aggttcccat	ttgtatttaag	ggaaaactaa	gcccctctgt	gatttctgaa	240
ccaagctatt	cctaggcctg	agttttatct	tggtgaccca	aaaataaatt	aaaaggccaa	300
ccgtggggggc	atgtccctgt	agccctagtt	gctgaggaaa			340

<210> 2911

<211> 339

<212> DNA

<213> Homo sapien


```

<400> 2911
tacggctgcg agaagacgac agaaggggta ctttttatat caagtacttt gtatttagtc      60
cttagcttgg gaggcaagta ttgcaaactc actgtacctt tgatgataaa agtagctaac      120
gttgattgag tgctctctat gtcctggggc ctgttctaag aactttgatg catccttatt      180
tagtgcttaa aataaaccta agaggggctaa gtactattat gatttccatt ttacacgaaa      240
ggaaactgat ctgccagggt acatacctag taaggggattg ttctgggctg aagaaaaagg      300
atgcatggag gggagtatct tgcccaaggt cacgttatg                               339

```

<210> 2912

<211> 334

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(334)

<223> n = A,T,C or G

```

<400> 2912
tacggctgcg agaagacgac agaaggggatg tgacatggac tcatgcaaag agcagaatct      60
tattcaaagt tgagcattcc cgtttatgaa ttttatccag atactctaag ttgtcaatgt      120
gaaccctggg cagtaatctt cagcgaggac agtattattg cttttcatgt aaaacctcaa      180
ttattaatag ttttaaataa caatttttct ttagtatatc taaaaatatt ttgttcaaat      240
ataatcaagt ggaaaatatt ggacagaaat gagtcatcca caaaaagtat cattgaaact      300
aggggaatta gagctttgaa tataaacttt ctan                               334

```

<210> 2913

<211> 344

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(344)

<223> n = A,T,C or G

```

<400> 2913
tacggctgcg agaagacgac agaaggggaaa caacttaaag acgaaataaa gaaaaaagat      60
gaaaagatcc aactattaga acttcagctt gcaactcagc atatctgcc acaaaaaatgt      120
aaagaggaaa aatgcactta tgctgataaa tatacccaaa caccctggag acgaattcct      180
ggtgggtatt ctgctccctc cttctctcct tggcagggct ccttccaggg gatcccacgg      240
actgttccac cgcaccgcag acagacctca agtactacag ccttccagca gccttcccag      300
acccacagat cacaccaggg gaaaactaat aaagccacaa cgtn                               344

```

<210> 2914

<211> 337

<212> DNA

<213> Homo sapien

<220>

gaagaat

367

<210> 2918

<211> 412

<212> DNA

<213> Homo sapien

<400> 2918

cgttgctgtc	ggccacgaac	acagccttgg	gcccgaagtgt	gatgcgcgcc	gctcttgagt	60
ccctcagatg	ccaaacgcaa	aaaaaagcct	tctcctctaa	agacacggaa	atgcaccgag	120
tccggctctg	cctcaccccc	aaatccttcc	ggccccccaa	ctcggcagcc	aaaatcgaaa	180
actactctcg	tctcagcgcc	cccgcctgtg	attacctgcc	attccgcacg	ggcgcctgcg	240
ccccggccgc	tgtcgccgac	ttcggacggc	atccccagac	tacccttctc	aaggccgtat	300
gaccagtcgg	agctgccatg	atagactctc	cgaagccggg	cgtcacctcc	cggaccagcc	360
ctgcagcacc	gccctcctct	ggtcggggccc	ggagcccggc	tccggtctct	tc	412

<210> 2919

<211> 394

<212> DNA

<213> Homo sapien

<400> 2919

ggcacgaggt	gagacaccgt	ctcaaaaatt	aacataaaca	aaacagggtca	aaaatcagtt	60
gcacaagttg	tatgaaacca	ggtattctgc	agctctgtct	cttgtttatt	aagatatgca	120
cagttttctga	atcaacaaat	atatctgtga	ttctttttata	ctactacata	aaagaacagg	180
agtaattctt	gccttataaa	ttaaagtgtca	aacatttctt	atatgtaatc	atttgttcct	240
aaaatatgat	ttagtcccag	catgcttatc	cctgttttct	ctttttctct	ccagctccta	300
tctagttctt	caacaaatcc	tgtcaactct	accttccaaa	tgctcttga	atccagccat	360
ctcaccacct	ccaacactac	caccatTTTT	cttg			394

<210> 2920

<211> 448

<212> DNA

<213> Homo sapien

<400> 2920

gcaggatccc	atcgattcgg	gctggtgaga	cacgatcccc	tcctaagaaa	atgtatgtgc	60
tcagacaggt	aaccactgct	gctactgttt	ttatttgttt	gtttgttcaa	ttttatttaa	120
gatttgtttt	tgttgtaacta	ggattttaaa	aaatgtaata	tattgcagga	tttataacca	180
ggttcactga	ctgcttgctt	gctttctttt	tttttttttt	tttctccaa	aaaaaaacaa	240
accaagggtt	tttttaaaaa	acttttagcc	ccctttggac	ctggattttg	gaaagggtcc	300
aaaagggggac	aaaaatctgc	tgtggaaatt	ttttattttt	ccgggttaaa	ttgaaaagggt	360
ttttattttt	gtttggaatt	ttggggggga	ttttattttc	ttttttccca	agcccttttt	420
gccatcctgg	ttgggggggg	gggccaac				448

<210> 2921

<211> 347

<212> DNA

<213> Homo sapien

<220>

<400> 2924

tacggctgcg	agaagacgac	agaagggggc	cgctgccttc	ctggagcagg	acagtcaggg	60
agctcactgc	tttctggagg	aggaatgtag	gtgagaccgg	gacaggaagg	ggtatgggtg	120
cccacaaccg	gctgatgtga	aggagtccca	cttagggatc	caggaacagt	gggaatagca	180
ctgctggggg	ccaagagggg	cacttgctcc	atgggcccac	gcagtctaga	caccttgggg	240
gatgagggag	cctcccctgg	tgtcaggaga	gccctggggg	ccccacaca	cagtgaggga	300
aggggaaaaac	ccacagcact	tgcctcaagg	ctgcagggtt	tgaagacctt		350

<210> 2925

<211> 347

<212> DNA

<213> Homo sapien

<400> 2925

tacggctgcg	agaagacgac	agaagggggc	ggcgccggag	agatggcgga	gttggacatc	60
gggcagcact	gccaggtgga	gcattgccgg	cagcgagatt	ttcttccatt	tgtgtgtgat	120
gattgttcag	gaatattttg	ccttgaacac	agaagcaggg	agtctcatgg	ttgtcctgag	180
gtgactgtaa	tcaatgagag	actgaagaca	gatcaacata	catcttacct	atgctctttc	240
aaagactgtg	ctgagagaga	acttgtggca	gttatatgtc	cttattgtga	gaagaatttt	300
tgcctgagac	accgtcatca	gtcagatcat	gagtgtgaaa	aactggg		347

<210> 2926

<211> 345

<212> DNA

<213> Homo sapien

<400> 2926

tacggctgcg	agaagacgac	agaaggggga	caaaatagta	ctcatgataa	aacctacaag	60
gaaatagaca	atagaatgag	gcagaggttg	cagtgaagctg	agatcacaca	ttgcactcca	120
gcctgggttaa	gaagatctca	aaaaaagaaa	gtgtcatcat	ctactagatt	ggaaatatca	180
gatattcttg	agtctttctt	ctccctcata	tacagttagt	catccagttc	ttcaaaatct	240
cgttgaaatg	tggtttcccc	tccagccagt	ctactgccta	tcagtactta	cctgtctgtg	300
cattagcccc	caccgacctc	tatcccacca	gcactcctcc	gtggc		345

<210> 2927

<211> 346

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(346)

<223> n = A,T,C or G

<400> 2927

tctacggctg	cgagaagacg	acagaagggg	cacaagacgg	gatggcaagg	gctttcagac	60
gcatttccaa	gagtcagca	agccaggggg	aagatgatcc	ctttgccgaa	gcgtaccctc	120
tagccaactt	ttgggagcgc	ttctgtttgc	aaagcgctgg	ggatgtgcct	gtctctgtgt	180
gacccacgaa	cgggaaggga	gagcactgga	gtaatgacac	ttctgctgct	gctttgattc	240
tcaaggctga	tctttaaaac	cctcgcttgg	ctgacaagtg	ctttaaaggc	agtctgcac	300
ttttcttccc	ttggtgtggg	agaggtaaac	actttgattt	gctgan		346

<210> 2928
 <211> 341
 <212> DNA
 <213> Homo sapien

<400> 2928
 tacggctgcg agaagacgac agaagggcct gcctatTTTT aatattatta aagcctttct 60
 ccttcagtag tctatTTTT tagaataaca actcttttat ctattctgaa ctctatTTTT 120
 tttctTTTT aagagacaag gttttgctct gttgccagc ttggactcga actttcctgg 180
 gctcaagcga cctcctgcc tcagccccc aagtagctgg gactaaagtc atgtgccacc 240
 acaccagct tactctgaac ttttatgaca gatgattgtt ttttgTTTT aatgtagaaa 300
 tgagacaagg gtacaaattg gaactaaaaa ttgacattgt g 341

<210> 2929
 <211> 343
 <212> DNA
 <213> Homo sapien

<400> 2929
 tacggctgcg agaagacgac agaaggggca caagacggga tggcaagggc tttcagacgc 60
 atttccaaga gaccagcaag ccagggggaa gacgatccct ttgccgaagt gcactctcta 120
 gccaaacttt gggagcgctt atgcttgcaa agcgctgggg atgagcctag ctctgtgtga 180
 cccacgaacg ggaaggcaga gcactggaga actgacgctt ctgctgctgc tttgattctc 240
 aaggctgac tttaaaacc tcgccttgct gacaggtgct gtaaaggcag gctgcatgtt 300
 ttcttcctt ggtgtgggag aggtaaacac ttagatctgc tgg 343

<210> 2930
 <211> 342
 <212> DNA
 <213> Homo sapien

<400> 2930
 tacggctgcg agaagacgac agaaggggca caagacggga tggcaagggc tttcagacgc 60
 atttccaaga gtccagcaag ccagggggaa gatgatccct ttgccgaagt gtacccctcta 120
 gccaaacttt gggagcgctt ctgtttgcaa agcgctgggg atgtgcctgt ctctgtgtga 180
 cccacgaacg ggaagggaga gcactggagt aatgacactt ctgctgctgc tttgattctc 240
 aaggctgac tttaaaacc tcgccttgct gacaggtgct ttaaaggcag tctgcatctt 300
 ttcttcctt ggtgtgggag aggtaaacac tttgatttgc tg 342

<210> 2931
 <211> 400
 <212> DNA
 <213> Homo sapien

<400> 2931
 cgttgctgtc ggcgtgtgag tgtgtgttcg cgctcgtgcg tgtgtatgtg tgcgtggggg 60
 gggagagaat gcacaaacac tcgaggtggt ttgtatattt gactggtgaa tttcatagtt 120
 gtttttctgg gggtacttag aatttgagag tccgcgagaa gcattaagaa gaacattact 180
 gataaaaaag gaggggtggg aagcccctac acttctcccc gagggatatc ccgctgcagg 240
 cttctttata tgtttggatt ccccagacct cttgttttga ggcgtgatat aaattcacc 300
 tctcatat ttaaaaatat cggttgaaca cctgctatat tctaggcacc gacgagacag 360

400

```
<210> 2932
<211> 417
<212> DNA
<213> Homo sapien
```

<400> 2932						
ggcacgagag	gattcaaagc	aggcacagtg	gtgtacactt	aaagtcccag	ctactagggg	60
ggctgaggca	ggaggattgc	ttgagcccag	gagttcaagg	ccagcctgag	caacatagtg	120
agactccatc	tctaaaaaaa	aataaaaaata	aaaataaata	aaaaatacaa	ctaattggaaa	180
gggcaagaaa	aaaaaaagaa	aaaaattaaa	agtgattcgg	agcagtattc	ctgcaaaaag	240
ctcccggcgc	atgtatat	ttt acagaaaata	tgtacatgca	gcaggcccaa	aggccaccaa	300
agggc aaagg	gcttctgtaa	cagttcaagc	ctctggctga	cccagggact	ggctgcttca	360
cacttgcccc	catggctcca	aaggggtagg	agacaggttc	cctcacaccg	gaggcaa	417

```
<210> 2933
<211> 404
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G
```

<400> 2933						
cgttgctgtc	gattcagtat	aggccatgct	ccctttttatt	aagatgcaat	tttcagaata	60
tgtagactgg	cttagatgaa	atttgatcaa	tttatattagt	tgctctttctg	cgtttgctaa	120
aagtgcagtg	gtgggtggca	tcacacagtg	gtcggagtca	gaactggcct	ttgataccag	180
tagttgacct	ttgacaagta	tttagtcctt	ttaattgtag	ttacctcact	ggaaatttaag	240
gagaaaaataa	caataacctt	tttcatagca	ttgttgggta	gattaaatga	aataagtaag	300
atgcctaata	tgatacttag	cacagagtga	acacttggtg	aatagttatt	gttagctaaa	360
aggcgtagtt	tccttgatgc	ccaaatggaa	gattccattt	cagn		404

```
<210> 2934
<211> 389
<212> DNA
<213> Homo sapien
```

<400>	2934						
cg	ttg	ctg	tc	gtt	caa	actt	60
tcca	acg	gaa	ctt	gtt	ttg	ct	120
cttt	gatt	tg	gtt	taa	aac	ct	180
gag	ctg	ggt	tg	tgg	agc	ctg	240
gaa	agg	tgg	g	gaa	atg		300
gtc	ac	cccc	cgc	ccc	acc		360
cagg	cg	agga	tct	gtg	gac		389
atg	ctc	ctc	cc	tgg	ctc		
ggg	gag	aagg	gct	tgg	ggt		
acct	ga	agg	aac	cat	ctg		
gtg	cccc	aca	tct	ctc	ctc		
cgg	gac	agtc	acc	gaaa	aca		
cagg	ttcc	aa	agt	ctac	ctg		
gtg	cctg	aga	gcc	cagg	gcc		
ctt	cct	cgt	ttta	agg	ggg		
aag	ca	acatt	tgg	ag	ggg	gat	
gga	tgg	ggt	ctc	ct	tttc		

<210> 2935
<211> 399


```
<210> 2939
<211> 374
<212> DNA
<213> Homo sapien
```

```
<210> 2940
<211> 378
<212> DNA
<213> Homo sapien
```

```
<210> 2941
<211> 387
<212> DNA
<213> Homo sapien
```

<210> 2942

<211> 465
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(465)
 <223> n = A,T,C or G

```
<400> 2942
cgttgctgtc gggcatggta gcaggtgtct gttatcccag ttaggaggct gaggcaagag      60
aatctcttga acctgagagg cggagggttc agtgagccaa gatcgcgcca ttgcactcca      120
gcctggggga caagagttag acttagtctc aaaaaaaaaa aagaaaaaaaaa aattcgggga      180
tttggtcaat atcccatttt ttgtttaacc ccaaggccct taaaaataac ccggaactta      240
agggactggg aattttgggt taaaggggcc ctccggggaa ggggggggaa cactgacttt      300
ttgaccctct ttgaaaagat aaaaggaccg gggccctggg gggaaaccct tgtgaaaagg      360
ctcgggaatt cagaatggcc taaaaaacct cccccacac cggcaaaaaa naaaaaaaaa      420
aaaaaaaaaa aaaaaaaaaa annnaaaaaa aagggccggt gttgc                                465
```

<210> 2943
 <211> 442
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

```
<400> 2943
caccggcttg ctgctttggc cgatgcggcc tacgggtgtg agaatacgac agaaggggga      60
cacaaatggt aaaattagca aagacattaa gatagcttta tgactgtatt ctagatgttt      120
taataagtca aatagagcca tagaagaaat taaaagact caaactaatt cctagagatg      180
gaaactacaa tgtctgctgt gaaaaatata ctggatggga ctagtggtag attcgccatg      240
ataggagaag tagattagt aacttcatga cacagcaata aaaaacatcat gatggagcag      300
aaaaaaaaatc caaacctttg aaaagagctt cattgagctg tgggacaatg tcaactagca      360
taaaaaaaat ttgagaaat aatagctaga aatatctgaa ttgatgaaac tataaaaccg      420
agatcaaagn gtgaaacaag cg                                442
```

<210> 2944
 <211> 468
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

```
<400> 2944
ccttaaggcc ctggcccccg ctgcgtccgc atcactctgc atcagcactg ccggcccagt      60
```

gacaccgagt	tccaccccat	cggttccat	atcttccagg	tcccagaggg	tggaaggagc	120
caggacgcac	ccccactgct	gctgcaggag	ccgctgctga	gctgcgtgcc	acatcgctac	180
gcccaggagg	tgagccggct	ctgcctcctg	cctgcaggca	cctacaaggt	tgtgccctcc	240
acctacctgc	cggacacaga	gggggccttc	acagtgacca	tcgcaaccag	gattgacagg	300
ccatccattc	acagccagga	gatgctgggc	cagttccctc	aagaggctct	cgtcatggca	360
gtgatgaaaa	cctaacaggg	tggccccctg	tgccagctca	ngtgactgga	gcccagagggc	420
ctgacagggt	cccagcagct	gggcccggcca	gccttgcaact	gtgggggt		468

<210> 2945

<211> 406

<212> DNA

<213> Homo sapien

<400> 2945

ggcacgagaa	ggtgggggca	ggggaggcgg	tccatgaagg	cgggctctac	atgacttaac	60
ccttgcttgg	catggcctta	agccctgttt	acaatttggt	atcttattgc	cacagtgtct	120
gttctgtcca	tctcatgata	cctattttgt	tcattcatgc	tcggcagctg	cgtctaaacc	180
ataaagggat	ggggtataac	aagttgcata	tgacctccca	acccatcacg	gccaggaatt	240
gttttaagtt	ttttctgaga	ttccctcggc	cacgaggtgg	catctgctca	atcggtgggg	300
ttttatgatt	tttagcttac	ataactgatt	tgataatcca	gggcatttgt	taccgcgtat	360
ccaggcgaga	ttatgactca	actatttagc	acctccatct	caacag		406

<210> 2946

<211> 407

<212> DNA

<213> Homo sapien

<400> 2946

tttgccaggg	gaaaacattc	tgcttttagg	tagtttcaaa	attcagggga	gggagcctga	60
aatttttgcc	atgattgggt	tgtagaaaag	agcaggcatc	agactacttc	tgataaaatt	120
gtttggaagg	tcacgacctc	gcaaaaactt	ttcaagagca	acaaggaaga	attctgctgt	180
gaagaacaca	gtgtacggat	cctccgcata	ttatctcaac	agaggacagt	agctcaggag	240
gcagcttcaa	acggtgacct	gtggcctggg	ccatctcttc	gtcatgtgct	tcacttttcc	300
ctgtttccct	gtgaactggc	ttccatgggt	ctgtagggtg	gtgaagtcgg	gttggtggctg	360
cagcagagca	agagatgctt	gcccagtggt	gagcaacca	ccccct		407

<210> 2947

<211> 380

<212> DNA

<213> Homo sapien

<400> 2947

ggcacgagat	aacacttgcc	acaacttggt	aaattccatg	ggtctatgcc	acattgctcc	60
cagagtaatg	aggcaaaata	gtgctctggt	atagaattgc	ttgtttcaca	atacatcatg	120
acagataacc	atacaacatg	gaatgacaca	aacataatat	gccacactcc	agaatatgta	180
atgctcgtct	tccaaggggg	ttcagtctaa	ggtaatctct	accaggaaga	aatgctagat	240
gacttttagac	atgtgcattg	gtttggacct	tctaattagt	tgaattttta	cttattttga	300
catgagagat	tacatagaat	ctctatgttg	cccaggttgg	tctccaaatc	tgctcaaaca	360
atcctccccg	ctcagtttct					380

<210> 2948

<400> 2951

```

ggcacgagac actaagatgg ctgccgttgc catgacaccc aaccctgtgc agacccttca      60
ggaggaggcg gtgtgcgcca tctgcctcga ttacttcacg gaccccggtg ccatcggtg      120
cgggcacaac ttctgatgca gattttagct gagggatttg gaagccattt ggggaggcag      180
gctgggccaag agggtagagc tgggtaataa atgtctatct tcttggggag gagggattct      240
aaactttcct tccgtcctca atttctacct ccatagaccg gccagaattt agcttcactt      300
gagagagatc tggaatggtc gccatgattg aaaccacgca ccattacatc atcattacat      360
taattacatc aacataaatt atttcttccc ccttcccttn

```

<210> 2952

<211> 395

<212> DNA

<213> Homo sapien

<400> 2952

```

ctttaagatc atcctgggaa tttccttcac tttttctttt gggagacctc ttatttctgg      60
atcccagggtc ttcattcttc ttggtttact tcttttattg gtggactaca tctccacat      120
gggaggtaaa ttgttgaaac cttgcatgac tgaaaacttt attttaatct caccctcaag      180
ggatgatttg gctaggtatg gaattctagt ttggaaataa tttgctctca gaattttaa      240
cacattctcc attgcctcat agttttggcg taaatgttga gaaatacaat gccactttta      300
atttctgatg ctttgcatgt gatctatttt tctctcaagt agcttttata atctccttat      360
ccttgatatt ctgaaaattc atgatgctgt gcctg

```

<210> 2953

<211> 418

<212> DNA

<213> Homo sapien

<400> 2953

```

accgatgctg ccggaataga gaaaacatta tctgtatgag ctcttctcga tttacatgta      60
attggcaaaa ttcaaagagc tgattcttca acaaataaat tacttaaaaa cggatggaca      120
gggaacctcg taaagccttt atcaactgca atgtatggac ttctatactg aaatgtttac      180
agatgaaatt atatgatgac tgggattttaa aagaaatcct acgatagcca ggtgtggtgg      240
tgcattgccag ctactcaaga cgctgcggca gaattgcttg aaccaagag gtggaggctg      300
cagttagcca agaccacacc actgcactac agcctgggca acgagagact ctgtctcaca      360
aaatataaat gaaaaactaa aagttattct atgagtggcg gaaagaacag attacaca      418

```

<210> 2954

<211> 394

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (394)

<223> n = A,T,C or G

<400> 2954

```

cgttgctgtc gagctcagga ggctgaggtt gcagtgaccc gtgatcgcac cactgcactc      60
caacctgggt gacagagcca ctgcaaagca ctctgttttag tcatggtttc ttttatgtat      120
tctttcatgt attgacctta aaaaagaatg tttctgaata tgcctttaat ctgacaaacc      180

```

```

accaccttaa tattctttta aaatcagttt gagcctacag ccatgccact gtgaatgtgt      240
ctgatctcat gtgatcatgg aagctaaagt gagtttgata tgataaatat atgcaacgta      300
actttaaata taacttttaa aaatatgttt ttaaggccag atatggtggc tcacgcctgt      360
aatccccagca ctttgngagg ccaaggtggg agga                                394

```

<210> 2955

<211> 407

<212> DNA

<213> Homo sapien

<400> 2955

```

ggcacgagca gctactcggg aggctgagac aagagaatca cttgaaccca gaaggcagag      60
attgcagtga gctgagatca tgccactgca ctccagcctg ggtgacagag tgagactcca      120
tctcaaaaaa ataaaatatt gtggtattgg cacaggagtg gacaactagg tcaatctagg      180
aacagacctt ttggaacttg atatacatga aatgactcaa ccaatcagtg aagacagggg      240
ggatgttcac tgaatattgg agaaaactga actcccccat acaaaagaaa acagatttcc      300
actttacaca cactcaaaat taaatttcag attaaatact aggatatttt taatgattta      360
ttaaattttt ttttggtaga gacaggggtct caatatgttg ctccagcg                    407

```

<210> 2956

<211> 412

<212> DNA

<213> Homo sapien

<400> 2956

```

cgttgctgtc gggcaggccc ctgtaatccc agctaattgg gaggctgaag caggagaatt      60
gctcaaacct gggaggcgaa gattgcagtg agctgaaatc acaccactac actccagcca      120
aagcaacaag agcaaaaact tcgtctcaaa aacaaaacaa aaaaagagta ttcattgtga      180
ggacaaacaa tacaaatacg aagaggggtg tagtaccttt acttgatca cagatacttt      240
tgtacccatt ttgcactaga ggaaaacat gaagcagttg ctcaaagtgt gttcaacacc      300
agaaaattta tattggagaa aagcactgta aatgtaatgc atttgtgaaa acatttttta      360
aaaaactaca gcttagaaaa taccagaggg ctcatactaa aatatatttt gg                    412

```

<210> 2957

<211> 407

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(407)

<223> n = A,T,C or G

<400> 2957

```

ccgtgacctg cctggggcgcg gggaactgaa agccggaagg ggcaagacgg gttcagttcg      60
tcatggggct gtttggaag aaccaggaga agccgcccaa agaactggc aatgagtggg      120
cattgaagat aagaaaggaa atgagagttg ttgacaggca aataagggga tccattggag      180
tctttggctg aatactaagc tgtgcatgct tagagtgaaa tttcaagaga ctgggcaaag      240
aacaattact aggaacagaa caactaccag gaagctgtaa gctgaataat tcttagagct      300
aataaaggat tgagaagtgg ttgagctctg atcagacaca gaaaagagac tttgttgaac      360
ctctgggatg ttcaatagag acctcagaag agtcacacct tattaan                    407

```

<211> 328

<213> Homo sapien

tacggctgcg	agaagacgac	agaagggact	ctgcattaaa	caggagcttt	tctaatatgg	60
ctggaaactg	ttgggggtgg	attagagatt	tttaaggatc	ttatggcaag	ctttggctgg	120
tagagtacaa	gaatctagtg	gtgtctttta	ttggggtttt	gggggtgctg	ggaactatga	180
cattacaaaag	agccactaat	tgttaaactga	aggaaaaaat	actggtcaat	gaaggggaac	240
ttactataaa	aatcaactta	gtagaaataa	accattaagt	ggtactaata	tgggcaggca	300
cagtggctca	cagctgtaat	tccagcac				328

<211> 344

<213> Homo sapien

tacggttgcg	agaagacgac	agaaggggtct	gtgtggcaca	cagagatgcg	acctactcaa	60
tctgacttag	taaaaccatg	ctgtagaatt	tttgtcttaa	aaagaccaca	taccacgac	120
ccatgaaata	aaagattcat	ctgtaattgg	gattcaaagt	gattaaattc	ctttgttcat	180
actcataaat	agcactaaag	tgttataaca	ttttcattta	cctatttttta	gttccttcat	240
tttaacttaa	taaaaatctt	ggattgatat	tctttttttt	tttttttttt	ttttttggga	300
aaaaaaat	ttttttcccc	cggggggggg	aaaggggggt	tttt		344

<211> 340

<213> Homo sapien

tacggctgcg	agaagacgac	agaaggggaa	cttaacaaca	ggactagcag	agacttagct	60
gaacagtgtg	taaaggtatt	agaactgata	tgtactcgtg	agtcaggagc	agtctttgag	120
gctggtggtt	tgaatttgtt	gcttaccttc	attcgtgaca	gtggacatct	agttcataaa	180
gacaccttgc	actctgctat	ggctgtggta	tcaagactct	gtggcaaaat	ggagcctcaa	240
gattcttctt	tagaaatttg	tgtagaatct	ctgtctagtt	tattaaagca	tgaagatcat	300
caggtttcag	atggagctct	ggcatgcttt	gcatactgg			340

<211> 388

<213> Homo sapien

ggcagcaggt	ttcaaactcc	tgggctcaag	cagtcctcct	gcctcagcct	cccaaattgc	60
tggggttaca	ggcttgagcc	actgtaccca	gcccatcaat	aatttttgc	tgaacaatt	120
ttattgcga	tctttgtgtt	gagagtcctc	catggatctg	ttgtgtgctt	acatgtcttg	180
ctgggtgtgc	caagaatgca	aggcccaaga	atgctcttta	tttgggcctt	ttctcagggt	240
tgtttacaca	gctggtaatc	ttcagagaca	agttaatgtt	tcctcttgga	caaagagcag	300

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gcttgcccac tgcttggtat aaaaacaata gatttcagcc gggcgtggtg gctcatgtct 360
ataatcccag cactttgatt tttttttt 388

```

<210> 2962

<211> 403

<212> DNA

<213> Homo sapien

<400> 2962

```

ggcagcagag aggagctcag agaggaacgg agaggcagac agagggaaac aacgcagaaa 60
gaaacagagc caaagccaga gtgtgggggg agccggagga agaaacaaaa acacacacat 120
gtggagtcgg aacgacacag gcagagaggc acagagtcgc agcaatccag acagaaagag 180
acacgcagaa agaaacagac agtgacagag aagatggtag cctctctgcc ctccccaac 240
accttgcccc actggtcctg gctggcggca ggggactcac aggcccttga cctatgcca 300
gtaggggaag agacaggact tttcctcaga ggccttcaat gagaccccat tccccaaaag 360
gttgggtctg acacacagca gccatggtgt ccacggcccc cat 403

```

<210> 2963

<211> 393

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(393)

<223> n = A,T,C or G

<400> 2963

```

tccagatgca gctgcagccg cgcaggcagg agccagggac aagtgggagc cctgcctctt 60
ccaagttggc ggggtgggag ctcccagggt cagctgtggc tgccccccca ggcacaggac 120
gagggcatct ctgcagcctg caccatcggc catcccagga aggacagccc ccttcacctt 180
ccatccctgc aggttcaggg gtgtctgctt ccactgctg gcctctctcc actccagcaa 240
ctgctctgat cttggagggg agtcggagcc aagacctgca gccatgaatg gcagcaggag 300
gaaagggggg gggnnccan naaggcccca cctcangcc agggagggcc tgaattctgg 360
gggctgggct gccagtcctt ctgaccagag agg 393

```

<210> 2964

<211> 423

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(423)

<223> n = A,T,C or G

<400> 2964

```

ggcagcaggt tcaaataagg tgtaattgaa aagtgtcct ctcttcagag atgtcaaaaa 60
caaacaaatc caagtctgga tctcgtctt ctcgtcaag atctgcatca agatctcgtt 120
ctcgttcatt ttogaagtct cgggtcccgaa gccgatctct ctctcgttca aggaagcgca 180
ggctgagttc taggtctcgt tccagatcat attctccagc tcataacaga gaaagaaacc 240

```


acccaagagt	atatcagaat	cgggatttcc	gaggtcacaa	cagaggctat	agaaggccct	300
attatttccg	tgggcgtaac	agaggctttt	atccatgggg	ccaatataac	cgaggaggct	360
atggaaacta	tcgctcanat	tggcagaatt	accggcaagc	atacagtcct	cgtcgaggcc	420
gtc						423

<210> 2965

<211> 385

<212> DNA

<213> Homo sapien

<400> 2965

cgttgctgtc	ggtttattgt	aacagtaatt	aaatgctgcc	ttaattgaag	gggtttgggt	60
ggattttttt	ttctcaaaat	aagctgtagg	gactatttta	acagcttaaa	caggagctct	120
caagatgcac	tttcgtattg	agaggaatat	gggcttgatc	ctcttcctat	ctaaatgggt	180
gggccatttg	attgtagagg	gtccaccaca	gaattatggg	atgccttaag	tgctgttact	240
aggttgctca	cagcctaacc	tggcgtgttg	tttagggctg	atggagaccc	atgtgagcct	300
ttgctttcct	ctggccccag	ccccaccctg	aacacagctc	atacgcagaa	tcaggaccag	360
catgtgcaga	gctggccacc	agcac				385

<210> 2966

<211> 376

<212> DNA

<213> Homo sapien

<400> 2966

cgttgctgtc	gtggggacag	atgtgtgatg	cttgattcac	ccttgaagta	atgtagacag	60
aagttctcaa	atttgcata	tacatcaact	ggaaccagca	gtgaatctta	atgttcactt	120
aaatcagaac	ttgcataaga	aagagaatgg	gagtctgggt	aaataaagat	gactatatca	180
gagacttgaa	aaggatcatt	ctctgttttc	tgatagtgtg	tatggccatt	ttagtgggca	240
cagatcagga	tttttacagt	ttacttgagg	tgtccaaaac	tccaagcagt	agagaaataa	300
gacaagcttt	caagaaattg	gcattgaagt	tacatcctga	taaaaacccg	aataacccaa	360
atgcacatgg	cgattg					376

<210> 2967

<211> 384

<212> DNA

<213> Homo sapien

<400> 2967

gaaggaatga	agattgacct	catcgatggc	aaaggcaggg	gtgtgattgc	caccaagcag	60
ttctcccggg	gtgactttgt	ggtggaatac	cacggggacc	tcatcgagat	caccgacgcc	120
aagaaacggg	aggctctgta	cgcacaggac	ccttccacgg	gctgctacat	gtactatttt	180
cagtatctga	gcaaaacctt	ctgcgtggat	gcaactagag	agacaaatcg	cctaggaaga	240
ctgatcaatc	acagcaaattg	tgggaactgc	caaaccaaaac	tgacgacat	cgacggcgta	300
cctcacctca	tcctcatcgc	ctcccagagc	atcgcggtcg	gggaggagct	cctgtatgac	360
tatggggacc	gcagcaaggc	ttcc				384

<210> 2968

<211> 225

<212> DNA

<213> Homo sapien

```

<400> 2968
tcacactgcc ttccacccgc tagcgagccc aattgcatgc aatatatgcc tgatgatcca      60
ggggaggaga gagagtgatg cagagctggg gcagaagggc agcgagctgg tggctctgcg      120
ggtggcgctg cgggaggccc gtgctacgct gcgggtcagt gagggccgtg cgcggggtct      180
acaggaggcc gccccgactc gggagctgga gctggaagcc tgttc                      225

```

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<210> 2969
<211> 413
<212> DNA
<213> Homo sapien

```

```

<400> 2969
ggtgctggcg attctgtggt attaattata ttcatactat tgtgcaacca ccggcaccat      60
ccgtctacag aactcttgat cttcccaaac tgaaattatg tattcattaa acaataacca      120
cccattacct cctctctctc cagcctttgg taaccagcat tcagtctcta tgaattgact      180
actctggata tctaaaagga atcattctta tttcatttac cataaagact tcaaagttca      240
ttcatgttgg aacatgtatt agaatttctt tactcttaaa ggccagatat gccgtaggat      300
gtaaataccg tagtttgtgt atcaggtcat ccattactgg aactgggtt gcttctgctt      360
tatggctatt gtgaataatg cttctgagaa cgtgggtata cagataactg cat              413

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<210> 2970
<211> 405
<212> DNA
<213> Homo sapien

```

```

<400> 2970
cgttgctgtc ggcctgggcg acagagcaag actctgtctc aaaaaaaaaa aaaaaaagg      60
taaaaattta cccggggggg gggaggggcc cctgtatttc cacttcctca ggaggggggg      120
gcagaagaat cttttgaccc caaaattcaa aaatggcaag gacttataat attgttattg      180
ccctccacct taggcaacaa aggaaaacct tgtttttaaa aaaaaaaaaa taagccaggc      240
ttataatagg ttatcccaa gggagtaagg aggttttata gggccaaacc cttcttataa      300
aaaagaaatt agccaactta tggttgttta agggtaatat gaaaggctta tatggagaac      360
ctttattctt aaaaaaaagg gaaatttttt ttcggtaccc catgt                      405

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```

<210> 2971
<211> 381
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

```

```

<400> 2971
gcctacggct gcgagaagac gacagaaggg ccatccacta atagattggg cagcaaacaa      60
tccaagctgt gagccaaagt cagcccacta tgaggccaac tctgtttgca cccattcttt      120
atagcttttg cactacagtg gcaaagttaa gtagttgcaa cagagactgt ataacctgta      180
aagccaaaaa cctcactgtc tggactttta tagttccaga ctctcacact agttgaatac      240
tttgaaaatc ttcaggttct ttctgggaag tttggtaaga ctatctctaa gcagtattag      300

```

```
<210> 2972
<211> 437
<212> DNA
<213> Homo sapien
```

<400> 2972						
aggatccctc	gattcaattc	ggcacgagga	cagagccgac	tccatctttt	agaaaaaata	60
aaaatattaa	gaggttctgc	tgccaaatgt	gggttctgtg	ggtcgggtgt	gggttctgtg	120
ggtcgggtgt	gggttctgca	aaccaggtgc	ggattctgtg	taggttctgc	agggccaggg	180
taaagggtca	cacctgtaat	cccagtactt	tgagacgctg	aggggggagg	atcacttgag	240
cccaggagtt	caaaaccagc	ctgggcaata	tagggagacc	gtatcactac	aaaaaagttt	300
ttttagttca	ccgagcatgg	gggcacatgc	ctgtagtccc	acctactcga	gaagctgaaa	360
tagggtcacc	tgaccctggt	aggctgaggc	tgcagtgagc	caaaatcgca	ctactgcact	420
ccagcctggg	tgacaan					437

<400>	2973								
ggcacgagat	tacatttccc	agtacttcct	gttccctctt	cctgctttct	cttttttttt				60
ttttttggaa	ttaaaaacgg	agtttggtct	tgccccggg	tggggggcca	ggggaaaaaat				120
tttgcttaat	tgaaccccca	ccttgggggg	ttaaagaatt	ttgcctgcct	aacctctcgg				180
agaaatggga	ataaaggggc	cttgcccccc	cccaaacccta	tttttggttt	tttaaagaaaa				240
aaggggggttc	aacctggtgg	gccgggctgt	tccaaacttt	tggccctggg	gggatcccc				300
cccctgagcc	cccaaaaagg	tgggaataaac	gggggggacc	aaccatgcca	aaaattgggt				360
ttaatttttt	taaacctttt	aaccaaccta	acaaaaaat						399

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<210> 2974
<211> 346
<212> DNA
<213> Homo sapien
```

<400>	2974							
tacggctgcg	agaagacgac	agaagggggc	cttcatgttg	gcagtccag	aagtggggtt			60
gaggagaga	gagaatactt	gaggaaataa	tggctgaaga	cttcctaata	ttgatgaaag			120
acctgaatat	atgcatecaa	gtagctcaac	aaattccaag	taagatgaac	tcaaagagac			180
cacacagata	ccaacatttc	acaagccaaa	gccagagaa	tttgaaagca	tcaagggaga			240
agcaacttgc	tacatacaaa	ggatcctcag	taacagggtc	ccaagccctg	ggccacagac			300
tgtaaacaqt	ctqttatqtt	ccagaccaca	caqcaaggag	tgaqtg				346

<211> 341
 <212> DNA
 <213> Homo sapien

<400> 2975
 tacggctgcg agaagacgac agaaggggca cttatgacaa cattaacaca gaatgccagt 60
 tcatcagcag ccgactcacg gagtggcgga aagagcaaaa acaacaacaa gtcttcaagc 120
 cagcagtcac catcttcttc ctctctcttc tccttatcat cgtgttcttc atcatcaact 180
 gttgtacaag aaatctctca acaaacaact gtagtgccag aatctgattc aaatagtcag 240
 gttgattgga cttacgatcc aaatgaacct cgatactgca ttgtaatca ggtatcttat 300
 ggtgagatgg tgggatgtga taaccaagat tgccctatag a 341

<210> 2976
 <211> 427
 <212> DNA
 <213> Homo sapien

<400> 2976
 ggcacgagcc ggcacccact gagcccaactc cggcctctga agccaccgga gcccctacgc 60
 cccaccagc acccccatcg cctctctgcac ctctctctgt ggtccccaag gaggagaagg 120
 aggaggagac cgcagcagcg cccccagtgg aggaggggga ggagcacaag cccccgcgg 180
 ctgaggagct ggcagtggac acaggggaagg ccgaggagcc cgtcaagagc gagtgcacgg 240
 aggaagccga ggaggggccc gccaagggca aggacgcgtg ggccgctgag gccacggccg 300
 agggggcgct caaggcagag aaaaaggagg gcgggagcgg cagggccacc actgccaaga 360
 gctcgggcgc cccccaggac agcgactcca gtgctacctg cagtgcagac gaggtggatg 420
 aggccga 427

<210> 2977
 <211> 427
 <212> DNA
 <213> Homo sapien

<400> 2977
 ggcacgagga gagagagaga gagagagttt tagtgataga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
 gagagagaga gagagagaga gccccccctc tctctctttt ttttggggcg ctctcttttt 180
 tctctctctc tctatatctc tctctcgtc tctctgtgtg tgtggctatg cccccggggg 240
 cccccccccc cccacacaag agagtgtctc tctctgtgtg tctccactc tctctctctc 300
 tctccccccc cccccctctc tctctttttg ttttgtgaga gtgtgtgtct cctcccccac 360
 ctctttttct gtgtgtgccc acacagaaag ggggggctct ctctctccct tctctcccc 420
 acacgct 427

<210> 2978
 <211> 339
 <212> DNA
 <213> Homo sapien

<400> 2978
 cgggttttttg ttgcgagaag acgacagaag ggtacggctc cataaacacg acagaagggt 60
 aataacaagc tgtatatatt tcaaagggtt tttaaacttt ggacactctt tcttttggtta 120
 accacttaaa ggaataaaaag agctggaaaa aaaattggac cttcaactca ggttggtcca 180

tataacaaac	gtattctttg	ctgttacgta	agatttttoga	ttcacagagt	ccatccatgt	240
acatcactta	cacttaaatt	gccaaaataa	ttagtctgac	catctgactt	taaaagactg	300
ttgctacaca	tacatcatgt	ttaggagaat	gtgggatat			339

<210> 2979

<211> 394

<212> DNA

<213> Homo sapien

<400> 2979

cgttgctgtc	ggttagcattt	gatcagcttt	gccacagatg	aaaagcagaa	ctggacatgg	60
aagagaagtg	aagtaaggac	aagctggaat	ctataggcat	ctctgcatct	atctttcact	120
gcacttagcc	atgacaaact	tcatagtata	atgactacag	ctttatctcc	aacttttttt	180
tttttttaag	aagaaacttc	ccggacgaga	tcccagaggg	gtatttttagc	atcctagaga	240
cctcctccta	gaggggtcaag	gaagatacct	gcctcaagtt	ctgggagaag	aggaaataca	300
gggcatgggc	cactatacac	gggaagtgtt	tttttttaaa	aacaaaaaag	gctttgacca	360
cttagaaaag	gctgagtttc	gacacatccg	ctcg			394

<210> 2980

<211> 399

<212> DNA

<213> Homo sapien

<400> 2980

ggcacgagca	tgttcaggcc	ccgaacattt	ccggtgctga	ctcggcctta	aacgtttgtg	60
ccataatgga	aaatatctat	ctatctgttc	tcaaactcctg	tttttctcat	agtgtaaact	120
cacatttgat	gtgtttttat	gaaggaaagt	aaccaagaaa	cctctaggaa	ttagtgaaaa	180
aagaactttt	ttgaggtgtg	ttactatact	gctgtaagtt	atattattata	taaagtattg	240
taaatagaat	agtgttgaa	atatgaaata	tggctatttt	taatgggtgac	aattatgact	300
tttagtcact	attaaattgg	ggttacctat	atcagtacaa	ttttagattg	tttccagggt	360
tggctaataa	tcatttcctta	acctagaatt	cagatgatg			399

<210> 2981

<211> 399

<212> DNA

<213> Homo sapien

<400> 2981

tatagtggaa	acagtatttc	tagatgtag	atttagcaga	caaagacttc	aaagcagcta	60
ttgtaaatca	gtttaaagca	gcaaagtaag	ctaagaatga	aaataaagtg	tgacaaatag	120
agatgttcaa	aaaggagata	gaaatgattt	taaaaataac	aaaatgaaaa	ttctgagatt	180
gaagaatata	gtaactgatg	tgaaaaattt	actagagggg	cttaccagag	gtttgacatg	240
acagaagaaa	gaagcagtga	atttcaaagg	tagatgatct	aatctgaaga	tcagagagga	300
aagattaaag	agaaatcagt	agagccacag	agatctgtgg	gtcagcatca	agtttaccta	360
tgtatgtgtg	atgggaatct	cagaatgaat	agagaaagc			399

<210> 2982

<211> 397

<212> DNA

<213> Homo sapien

<223> n = A,T,C or G

<213> Homo sapien

<213> Homo sapien

<213> Homo sapien

[illegible]

ggctccctgt	accctggaac	tcaggcttgg	gtgatectct	ctcctttgcc	tccgaagtag	240
ccaggactac	aggtgtgcac	ccaccaccac	actcagataa	ttgctttggg	gtttttaaag	300
cttgtaatga	tcagtaggct	gaggtgggca	aatcataagg	tcaagagttt	tttagatggg	360
gtgagcacag	accaattcct	gtttttattta	ctgattttaa	attttga		407

<210> 2986

<211> 453

<212> DNA

<213> Homo sapien

<400> 2986

ttgttcttta	ctagttttga	aaaaagtaga	acaaaataac	caaagtgact	tttgtacttt	60
tctattgggtg	tgtgtttgtt	tatttagaga	tgggtgtcact	ctgcgttgcc	cagtctggcc	120
ttgaactcct	ggagtatcct	tttgccctcag	cctcccgagt	agctgggact	gcaggtgtat	180
accacctccc	caacttggat	ttactagtag	tagcaagtgt	agacaagagt	ctcctatttg	240
gaatgtaaat	tgttggttgg	aatgtacgtt	ggcacaactt	ggggaaaagt	tggcaatgta	300
tatcaaaagc	attaaaattg	tgtatatctt	gtggcctggc	aatactcctt	ttatgaattt	360
attataaaaa	aaagtacatt	tatttaaaaa	cttagctggc	tgggtgtggg	ggctcattcc	420
tgtaatccca	gcactttggg	aggctgaggt	ggg			453

<210> 2987

<211> 407

<212> DNA

<213> Homo sapien

<400> 2987

cggatggatt	tggaagctgg	aattcctctt	aacaaccaag	gggtttattt	tcaaagcaat	60
attggggaat	tgatttcaca	gttcgttacc	ttagtaggga	acggtaaggt	tattcttttt	120
tttttttttt	ttgggattaa	aaacctgggg	gcctaaattt	aaccaaaaag	gggccaaaag	180
gtggaatgaa	actaactttt	gggcaaaatt	aaaccatccc	cccaaagggc	gaaaataatc	240
caccgcccc	cccggttttt	tgggtgggta	aatttggttt	agattaaaaa	caggcttttg	300
ccccccagcc	gggagggcag	gggggtaatt	agaacctttt	ccccccggga	tgaaagcaat	360
atcctgcctt	caccccccca	gaaatctaaa	ataacggggc	ccccct		407

<210> 2988

<211> 339

<212> DNA

<213> Homo sapien

<400> 2988

tacggctgcg	agaagacgac	agaaggggta	agctattaag	tgcattgtttc	cctcaggccc	60
tctggtccat	tctggacaaa	tgttgaaaaga	tgggttggat	tggcacggaa	cgctgtgcca	120
aaagcacccc	cttttttttt	tttttttttt	ttttaaaaag	ggaattttgt	ttttgtgccc	180
caaatggggg	ggcaggggga	aaatttaatt	taaccaaaacc	ctcttcttcc	ggggtaaaag	240
aatttttccg	gccttgcccc	ccaagggggg	gggaataaag	gggccttgcc	ccctcccccg	300
ggaatttttt	ttttttttta	aaaaaaaggg	ggcccccc			339

<210> 2989

<211> 399

<212> DNA

<213> Homo sapien

<400> 2989
 ggcacgaggg aagatgagct cgccaagaag cgggcgggcct tcctcctgaa gcagcagcgc 60
 aaggccgagg agggccgcgt gcgcaagcag cagctggaag cggaggtgga gctcaagcgt 120
 gacgaagccc ggcgcaaagc tgaggaagac cgggtgcgga aggaggagga gaaggcgcgg 180
 cgcgagctca tcaagcagga gtacctgcgg aggaagcagc agcagatcct agaggagcag 240
 gggctcggca agcccaagtc aaagccgaag aagccgcggc cgaagtcggg gcaccgggaa 300
 gagtcgtgca gcgactccgg caccaagtgc tcctccacc ctagataactt gagccggact 360
 cagtcaggct ccagcctgtc cttggcctct gcggcgaca 399

<210> 2990

<211> 326

<212> DNA

<213> Homo sapien

<400> 2990
 tctacggctg cgagaagacg acagaaggga tggtaaaatg ataatcaacg aatactataa 60
 tcaaccctat gtccacaatt tgataactgc aatgaaccaa tcctttgaaa gacacaattt 120
 gtcaaaactc acataagaaa tagaccatct gagggggcct aaacctttta agaattgaa 180
 ttaataatgt taaccttcca aaacagaaag cagggaccca gatgggttca ctagtgaatt 240
 ctactaaaca tttaaaggaa aaactaataa atgagatatt ccatgtttat ggatcagaag 300
 acaatattgt caaggtgaca gttctt 326

<210> 2991

<211> 380

<212> DNA

<213> Homo sapien

<400> 2991
 tacggctgcg agaagacgac agaagggcgc ggcctcagcc tcagtgggc cgatctcagc 60
 tcaactgaag ctctgcctcc cagttcacgc cattctcctg cctcagcctc ccgaggagct 120
 gggactatag gcgcccgcga tcacacctgg cttttttttt tttttttttg ggaaaaaacg 180
 gggttcccc atgtaaccca ggagggccta aatctccgga cctaaggacc cgccccctg 240
 ggcctttaaa agggctagaa taacgggggg gacccccgc ccagggcctg ggaagcacac 300
 agttttaccc ttgttacccc cccttgggga aaagggtttc ggcacggggg ttctttttaa 360
 ggagggacca gccctcattg 380

<210> 2992

<211> 378

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (378)

<223> n = A,T,C or G

<400> 2992
 ggcacgaggg ggatggcagg tgatgagact cagccaactc ggtttgcttt tgtggaattt 60
 gcagacaaaa attctgtacc aagggccctt gcttttaatg gagttatgtt tggagacagg 120
 ccactgaaaa taaatcactc caacaatgca atagtaaaac ccctgagat gacacctcag 180


```

gctgcagcta aggagttaga agaagtaatg aagcgagtac gagaagctca gtcatttatc 240
tcagcagcta ttgaaccaga gtctggaaag agcaatgaaa gaaaaggcgg ncgatctcgt 300
tcccatactc gctcaaaatc cagggtctagc tcaaaaatccc attctagaag gaaaagatca 360
caatcaaaac acaggagn 378

```

```

<210> 2993
<211> 450
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

```

```

<400> 2993
accctacgaa caagctactn ggnnttttnng cagganccca tnaattcgaa ttcggcacga 60
ggtcaagtct tccgccaccc ccgataaagc ataacatgga tattggaact tgggataaca 120
aggggtcccg tgcaaaagcc ccctcacagg ctttggttca gaatataggt cagccaaccc 180
aggggtctcc tcagcctgta ggtcagcagg ctaacaatag cccaccagtg gctcaggcat 240
cagtagggca acagacacag ccattgcctt caccttcacc acagcctgcc cagctttcag 300
tccagcaaca ggcagctcag ccaaccgct gggtagcacc tcggaaccgt ggcagtgggt 360
tcggtcataa tgggggtgat ggtaatggag taggacagtc tcaggctggt tctggatcta 420
ctccttcaga accccaccca gtgttgagga 450

```

```

<210> 2994
<211> 405
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

```

```

<400> 2994
nncaccanna aacttcagcc aaccgggtca ttgtggacac cattgttatg gccaatctgg 60
gctactttca gctgaaagcc aaccaggag cttggatcct cagacttagg aagggacgct 120
ctgaagatat ttatagaatt tacagccacg atggcaccca ttctccccct gatgctgatg 180
aggtggttat cgtcctcaac aacttcaaaa gcaaaattat taaagtgaag gttcagaaga 240
aggcagatat ggtgaacgaa gacttgctga gtgatggaac gagtgagaat gaatctggat 300
tttgggattc cttcaaatgg ggctttacag gacagaacac tgaggaagtg aagcaagata 360
aagatgacat aattaatatt ttctccgttg catctggtca tctct 405

```

```

<210> 2995
<211> 400
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<223> n = A,T,C or G

ggcacgaggg	gggacgcgt	caatgctctt	tatgtatccc	ttagngggct	tccgatttaa	60
gcgactgcc	acgagaccca	aaaaaggtgg	tccggaaatc	tcaccgtgag	gcgcggctca	120
tcagactgaa	acttgctcac	agacttccag	ttatttattt	ggggtctgaa	ggatatcaac	180
agctcatctg	tgaccaaacg	ggcaactgga	acctacacaa	accaattgct	tgtgcaagc	240
agagttttat	atatttatag	tcacagacgg	cagaggaaga	ggctctcagt	ccccacctgt	300
acaacaacgg	aaaggtgtgt	ggccacacta	agaatccaaa	cgccgtggcc	tcctgcagag	360
ctgnnggcttt	tgtggagaat	acttccgggt	attacatgcy			400

<213> Homo sapien

tacgggtgtt	agaagacgac	aaaaaggtac	gggtgcgaca	agactacaga	aggggttctt	60
ttattaggaa	atgcatgtat	acggaaaaag	aagaaggaat	ctttaccaat	ggactacagg	120
aagtgaaagc	aaaacgtttc	cctacctgaa	agtttccttg	tgtgagactg	gaatatatag	180
ttttacctct	gtacaccatt	tttgctctag	cctatatgga	ctacctacac	tcataatgag	240
aataatgata	aaatgaagga	gttcggtttt	gttttgttct	tttctttctt	tttttttttc	300
tggagacaat	ctcactccgt	caccaggct	ggggtg			336

<213> Homo sapien

tacggcttca	gattacgaca	gaaggagttt	gtatcctagg	agcaataggc	tataccatat	60
agcctaggtg	tgtagtaggc	tgtaccatct	aggtttgtgt	taaattcact	ctttgatgtt	120
tgctcaggga	cgaaattgcc	taaaaactca	tttcttagaa	tgtatccctg	tcgttaaggg	180
actcgtgacc	gtattactat	cttacagatg	aagaaagtga	agttctgaaa	ggttaagtgt	240
cttggccaaa	gacacacagc	cagtataatg	ggagcaaaac	acaactgcct	gaagaaaaac	300
tttggttgat	taaagtaaag	taaaaacaga	tctgaaaaga	tctaccaatt	caaatccttc	360
agtaaaattc	tgggt					375

<213> Homo sapien

catgcgacgc	catggaacat	taagaggaaa	aagttttgaa	aaaattaaag	ccattttacaa	60
cctgggttttc	aacgctagcc	ctttctggat	tgccatacgc	cctgccaaaga	tactgcaggc	120
ccatttcaggc	ctgtgctatc	tgcatcagcc	gagggctttc	caggaacttg	actgtctttc	180
attcgaactt	tatttttgtt	gatttaatat	tttaaacttt	attttaaaaa	tatttcaaac	240
ataaggggcgg	ggtgtggtgg	ctcatgcctg	gaatcccagc	actttgggag	gccgaggcgg	300
gcggatcacc	tgaggccagg	agttggagac	cagccaggcc	accatgggga	aacctgtct	360

ctacacaaaaa tag

373

<210> 2999

<211> 399

<212> DNA

<213> Homo sapien

<400> 2999

```

gggaagaaga aggaggagtg gtaaaaggctc caccaaccca accagttctg cctcctcaaa      60
ctataatcca gcagcctcag ccattaattc aaccaccacc attggtgcaa agccaactgc      120
ctcaacagca gcctcaacca ccacaaccac agcagcaaca aggacctcag ccacaggccc      180
agcctcacca agtgcagcct caacagcagc agctgcagaa tcgctgggta gctcctcgta      240
acaggggagc aggcttcaac cagaacaatg gagcgggcag tgaaaacttt ggtttaggtg      300
ttgtacctgt cagtgttca ccttctagtg tagaagtgca tcccgtgctg gaaaagctaa      360
aggccataaa caactataat cccaaagact ttgattgga      399

```

<210> 3000

<211> 428

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(428)

<223> n = A,T,C or G

<400> 3000

```

ctttactagt tttgaaaaaa gtagaacaaa ataaccaaag tgacttttctg acttttttat      60
tggtgtgtgt ttgtttatct agagatggtg tcaactctgcg ttgccagtc tggccttgaa      120
ctcctggagt atccttttgc ctcagcctcc cgagtagctg ggactgcagg tgtataccac      180
ctccccaact tggatttact agtagtagca agttagacac agagtctcct atttggaatg      240
taaattgttg gttggaatgt acgttggcac aacttgggga aagtttggca atgtatatca      300
aaagcattaa aattgtgtat atcttgtggc ctggcaatac tccttttatg aatttattat      360
aaaaaaaagt acatttattt aaaaacttag ctggctgggt gtggtggctc attcctgtaa      420
tcccagcn      428

```

<210> 3001

<211> 390

<212> DNA

<213> Homo sapien

<400> 3001

```

ggcacgaggc tactcttacg cactcacgtt cattaactgc gttctgatgg cagaaggtag      60
acagcaactg gacaaagggt aatttacgga gaagtacgtg gtcccgaga caaggctggc      120
attcaagttc atcacactct accgggcgat acgggagcat ggcttctacg tcaactgactg      180
tccccagcag caggcacaac cccctgaggg cggcggtttg tgctgagagc tatgtaagcg      240
cagcctgtac gctggagggt agggaggatg ctacctttaa tcactactat ggatctctaa      300
atgcatttaa ctgcggataa taaaaacgtg tatgggcggg gcatggtggc tcacacctgt      360
gataccacca ctgtgggaag ctattacagg      390

```

<210> 3002

```
<210> 3005
<211> 350
<212> DNA
<213> Homo sapien
```

<400> 3005
 tacggctgcg agaagacgac acaaggggaat gaagagtcct ttttggttcc aagccaatcc 60
 tggctgggtg ctttgcttcc ctgtctatgc tgccaccctg agtttctgca cttcagaggg 120
 tttccatcac ttccttgcta aatttcagtg ctgtacctta catattctac ctaaagctta 180
 gttttatagt tgagttgatt tttctttgtg gaagagatag gcgtcgagca ctttcagtta 240
 gccatttaac gcgtttttta tgttttaatg ctgaatagag ttccattgta tctactactt 300
 cttttttttt tggccattga cctaattgag ggtatttgga ccatttttat 350

<210> 3006
 <211> 405
 <212> DNA
 <213> Homo sapien

<400> 3006
 ggcacgagag gctatggcat ctaggtttgt gtatttacac tgtgatgttt gaacagcgaa 60
 tgaaattgct taacaatgca tttctcggaa catatccatg ttgttaaagt tcccatggct 120
 gtattgatgt tgatcttaaa catagacatg atagaatgac tcagaattta atactctttg 180
 tgatttcaaa agtagatttt agcaaaatgc tttagtgaag acctgtgtat aattttttta 240
 aaaacattta acatttttaat cataaatgct aacagatcct tctgtcttat ttccagtctt 300
 ttttaagggtg tgaatttctg gaacttaacc catttatgca ggagattaaa attttttgtg 360
 tgtgaaaaat cagaccttgt cagtgcacct gaacagttta catat 405

<210> 3007
 <211> 408
 <212> DNA
 <213> Homo sapien

<400> 3007
 ggcacgagac ttggggaggct gaggcaggca aattgcttga acccgggagg tggaggttgc 60
 agtgagccga gatcgtacca ctgcactcta gcctgggcaa cagagcaaga ctctgtctca 120
 aaaaaaaaaa aaaaagggtt ggaaaagggt aaacggctgg gggggggggt tacaccctgt 180
 gaacccaacc tttggggggg ccgggggggg gggactccct gggggaaggg attggaaacc 240
 caccgggccc accgggaaaa accccgtttt ttttaaaaaa acaaaatttt accccggccg 300
 gggggggggg ccttgaaacc ccggtttttt gggagggtgg ggggagaaaa ttgggttaaac 360
 ctgggggggg ggggggtgga gggcctaaaa accccccccg ggctttttc 408

<210> 3008
 <211> 422
 <212> DNA
 <213> Homo sapien

<400> 3008
 ttattgcatg agaccagcta gcttgttgtt tgggccgaag cggcctacgg ctgccagatg 60
 acgacagacg ggtacggctc cgagaagacg accgaagggt ttgatataac tgtgtgggtg 120
 agtctgatta tactcataat aatatatttg tatctgcagt gcctagaaca aaacctgcca 180
 tatggcaaat agtcaatatt tgttgaagaa atagattaat tgacattaaa agggagaata 240
 tttaatccct gctgaggact aataaaatca tttttattat tgtcaacttg ctttaacaac 300
 catctcacia ataaaatgaa ggctactata ttgttttgca gttctgaatc taactttaca 360
 aaaatattga agagcatgct aagaaaagat catatatctg gcacattaaa aggcgttttag 420
 ag 422

<210> 3009
 <211> 407
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(407)
 <223> n = A,T,C or G

<400> 3009
 ggcacgagga gagtcccacg aactggctgg gtatacagaa atgtccagag gccggagagc 60
 gtttcagatc acatgtaccg gatggcagtt atggctatgg tgatcaaaga tgaccgtctt 120
 aacaaagacc gatgtgtacg cctagccctg gttcatgata tggcagaatg catcgttggg 180
 gacatagcac cagcagataa catcccaaa gaagaaaaac ataggcgaga agaggaagct 240
 atgaagcaga taaccacagct cctaccagag gacctcagaa aggagctcta tgaactttgg 300
 gaagagtacg agacccaatc tagtgcagaa gccaaatttg tgaagcagct agaccaatgt 360
 gaaatgattc ttcaagcatc tgaatatgaa gaccttgaac acaaacn 407

<210> 3010
 <211> 403
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(403)
 <223> n = A,T,C or G

<400> 3010
 cgttgctgtc ggaagtgcc aactcccgc aggcagaaac tgaagctgaa gtgaaaaaga 60
 agaagaacaa gaagaagaac aaaaagggtg atggtctgcc tccctgaaata gctgctgttc 120
 ctgagctggc aaaatactgg gccagaggt acaggctctt cccccgtttt gatgatggga 180
 ttaagttgga cagagagggc tggttttcag ttacacccga gaagattgct gaacacattg 240
 ctggccgtgt tagtcagtc ttcaagtgtg acgttgtagt agacgcattc tgtggagtgt 300
 gaggaataac cattcagttt gccttaacag gaatgagagt gattgccatt gatatcgatc 360
 ctgttaagat tgcccttgct cgcaataatg cagaagttaa tgn 403

<210> 3011
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 3011
 cctgcacggg ctgttgatgc ctgccaccct tcacgtgagg tgtgacttac tcctccttgc 60
 cttgcaccac gatggtgagg cctccccagc catgtggaac tgggagtgca gataaagctc 120
 tatctttgat agatgggccg ctcttacgta tgttggtatc atcagagggg gcactgacta 180
 acatggcgct tccgagggta tggactacat gtctgaagat cttggtgagg tgaggagggg 240
 tgccatcatg taaaaaagct gttttaaaat taaatatgac ttttaatttta aaaattaaac 300
 atttttgcat tatcaaagtt aaatatacac catggaaatt tgaataacta gaagaaggga 360
 gaaaacacct tttctaacgt ttatcat 387

<210> 3012
 <211> 380
 <212> DNA
 <213> Homo sapien

<400> 3012
 tacggctgcg agatatacga cagaagggtg cggctgcgag aagacgacag aagggatgtg 60
 ggattccctg aaccaactgg taatgcacta ccagcatata aggtgtcctc attaaagcag 120
 ttggtgattg gtacatggga cctcactcat gtatgtttgc atctacttgt gagtcaaaaa 180
 gttttcttaa agtatagggt ggatcatgaa agacatacaa ttcactggag aaattgtgaa 240
 aaagtaaaaag attatgaatt taggctcaaa gccaatctcc ctctcattta attctacatg 300
 agcaagtcaa ggagtttggg agagctttat gaaatctcta aagattgaag gaaaacaatc 360
 actataatcg atttgataag 380

<210> 3013
 <211> 391
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(391)
 <223> n = A,T,C or G

<400> 3013
 ggcacgaggg tgtgaccaca cttcttcttg aagggcagcc tcctgcccag gccccgtggc 60
 cctggagcct caataaagtg tccctttcat tgactggaaa aaaaaaaaaa aaaaaaaagg 120
 ccccaaaaaa aaaaaggggg gccttatacc taaaacccaa acggaaaaaa aaccttggaa 180
 agttgggaaa aacccaacc aaaaaggcgg gaaaaaaaagg cttaaattgg aaaaatgggg 240
 gagccatttg ttttaattgga accaaaaaaa cccggaaaaa aaaaggtaaa aaaaacaatt 300
 ggcttttttt tatttttcaa ggtccggggg agggggggga agtttttttn ncatngcang 360
 actttctaca angacacca aactccttaa g 391

<210> 3014
 <211> 385
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 3014
 ggcacgaggg tgtggtatcc catgagttgt ttctgtgcac tggctctatg tgccgctatg 60
 ctgaagacct ggcccccatg ttgaagggtc tggcaagacc tgggatcaaa aggctaaaac 120
 tagacacaaa ggtacattta aaagacttaa aattttactg gatggaacat gatggaggct 180
 catttttaat gtccaaagtg gaccaagatc tcattatgac tcagaaaaag gttgtggctc 240
 accttgaaac tattctaaga gcctcagttc aacatgttaa actgaacaaa atgaagcact 300
 cttttcacct gtggatcgca atgatgtcag caaagggaca tgatgggaag gaacctgtga 360

385

<211> 372

<212> DNA

<213> Homo sapien

gttgctgtcg	gtgagcgtcg	ctgagcggga	ggtgggcacg	gcgggggcat	cgcagatgcc	60
agccgcggga	ctgagtcttc	ccccctcccc	ggtgcactca	gatgaacgac	ccgagccagc	120
ccaacgagga	gggcatact	gccttgaca	acgccatctg	cggcgccaac	tactctatcg	180
tggatttct	catcaccccg	ggtgccaatg	tcaactcccc	cgacagccac	ggctggtgag	240
ccccgacccg	cgcggtgggc	tgggtcccc	gtgggcggac	gcgcagcctc	tcacgcacgc	300
ttccccgcaa	ccccccaccc	ccacgcctag	gacacccttg	cactgcgcgg	cgtcgtgcaa	360
cgacacactc	at					372

<211> 381

<212> DNA

<213> Homo sapien

tacggctgcg	agaagacgac	agaaggggca	cttatgacaa	cattaacaca	gaatgccagt	60
tcatacgcag	ccgactcacg	gagtggtcga	aagagcaaaa	acaacaacaa	gtcttcaagc	120
cagcagacat	catcttctct	ctcctcttct	tccttatcat	cgcgttcttc	atcatcaact	180
gttgatacaag	aaatctctca	acaaacaact	gtagtccag	aatctgattc	aaatagtcag	240
gttgattgga	cttacgatac	atatgaacct	cgatactgca	tttgtaatca	ggtatcttat	300
ggtgagatgg	tgggatgtga	taaccaagat	tgccctatag	aatggttcca	ttatggctgc	360
gttgattgga	caagagcacc	a				381

<211> 442

<212> DNA

<213> Homo sapien

tctttttgca	ttatcccatc	gattcgctca	ggctgatctc	aaactcctgg	cctgaagcaa	60
ttttcctgtt	tcatcttccc	aaagagttgg	gaataggagt	gggagccact	gtgctagcct	120
atgctttact	tattccaaaa	aaataacaag	aatggaaaga	ggaaaaataa	acctgaaagc	180
gagttgagat	acattaatcc	agctgtattt	taaatgagaa	acataaccac	accgacgggg	240
attggtgaag	ggaagatgga	aaatctaatc	caagtgattt	atcgacacat	caaatgtgtt	300
tgactgtata	ctggcagttg	tgggtggggga	tgggactgca	agaaaaaatct	tgaggccagg	360
cgctggtggc	tcatgcctgt	aatcttaaca	ctttgagagg	ccgaggcaag	atcacctgag	420
gtcaggagtt	cgaagaccagc	ct				442

<211> 427

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$

<221> misc_feature
 <222> (1)...(427)
 <223> n = A,T,C or G

<400> 3018
 ggcacgagga gagagagaga gagaactatt ctcgagagca gttttttttt tttttttttt 60
 ttaaaaaagg gggacccctt gggttcccca ggcgggaggg cagggctgaa atttggttta 120
 atggcacccct cctttttctaa ggtaagggga atctccttcc cccccccccc taaaaagcgg 180
 gaaaaaaggg cacttccccc cttccccagt taatttttgt tttttaaaaa aaaagggggg 240
 ttcccaaggg ggccaagagc agccctgtt cgtgcacaaa ggcaccaaca tggagaccgt 300
 ccaaaactgt cgcatttagg ggactgacc caccgtccaa gcgatattgg gttttaaant 360
 ggaggggttat tatctcttgc gggacatcgg gtgagttgac ccatacccgg agcctgccaa 420
 aaataag 427

<210> 3019
 <211> 418
 <212> DNA
 <213> Homo sapien

<400> 3019
 ggcacgagaa gaccttggat caaaaggaag cttctatacc tctttcttct tcgcttcctc 60
 ctctcccaag caatggaaa ctttaccat gtaattctag ctgaactcag gaaaaagaag 120
 ggggaaagga ctctgtcccc ttggggctca tcaccttcc acatcctcct cctcgttgcc 180
 ccttggtcag gcagcttctt ttttttttt ttaaaaagga agcttggtt tgccccccag 240
 cctgaaaggc aggggcccaa tctcggttaa ttgaaaactt ggcctcgga ataaaggcaa 300
 ttttcgggcc taacccttta aggaactggg aataacgggc ccccggtccc cccccgggt 360
 taattttgga ttttaaggga aaagggggtt taacattgct gcccaaatgg ttttaaat 418

<210> 3020
 <211> 375
 <212> DNA
 <213> Homo sapien

<400> 3020
 tactgttggt agaagacgac agaaggggta cacatgcaca cacgtacagg agcgtgcaca 60
 caaacacacg tgcacgcaca cagcatgca cacacgcaca catgtgtgca cacatgcaca 120
 catgcgcgca cacatgcaca ggagcctcca aacacacgtg catgcacaca catgcacaca 180
 ctcacacgca tgcacacacg cacacaagca aacacatgga cacacacaaa cgcgcacatg 240
 tacaggagcc tgcacacaaa cacacgtgca tgcatacaca cgtacacaaa catgcacaca 300
 cacatgggcc aggcgtggtg gtcacgcct gtaatcccag cactttggga ggccaaggag 360
 ggtggatcac gaggc 375

<210> 3021
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 3021
 ggcacgagac ctagaaagag agtgcaatga agaactttgc aattatgagg aagccagaga 60
 gatttttgtg gatgaagata aaacgattgc attttggcag gaatattcag cttaaaggacc 120
 aaccacaaaa tcagatggca acagagagaa aatagatggt atgggccttc tgactggatt 180

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aattgctgct ggagtatattt tggttatattt tggattactt ggctactatc tttgtatcac      240
taagtgtaat aggctacaac atccatgctc ttcagccgctc tatgaaaggg ggaggcacac      300
tccctccatc attttcagaa gacctgagga ggctgccttg tctccattgc cgccttctgt      360
ggaggatgca ggattacctt ctta                                         384

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<210> 3022

<211> 401

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(401)

<223> n = A,T,C or G

<400> 3022

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nnnnacgaga gaaaggatag gaaggaagca tgagagagaa tagggagaag tgaacaggga      60
tgcagagcga atgccagttt cagccaactc caaggacagc cctggagctg gaatggcctt     120
tacagctgcc ccattggcgac agaggcggcc aggccttctat acccctacgt ggatcactca     180
ctgtgcttgg gcaccttggg aaagggcatg gcttttgagca aaaggctctc tgcagctgag     240
gcaaccccta ccagggctga cggctgaagt ctgtctgctg accactgtcc cagcagctgg     300
ggcttggttag tccttccctca aagggggatc cagatggcat gtcacagtgt ctacctgaaa     360
tgctcactga atccagctgc aatgcaagaa gactccctga t                                         401

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<210> 3023

<211> 406

<212> DNA

<213> Homo sapien

<400> 3023

```

ggcacgaggt ctctgcaaaa gacccctccg acccgagtggt tcgtggaact ggttccctgg      60
gctgaccgga gccgggagaa caacctggcc tcaggagagag agacgctacc gggcttacgc     120
cacccctctt cctcaacaca agcccaaact gctaccgcgc aggtgcaagt aagcggcacc     180
tcaaaagtgt ctgcgggccc tgaccggctc caggtggcgc tgcgagttag cagcaccaag     240
gaggcggcag ccgaggccaa aaagagcgtt tgcgcgcgcg tagattacat aacgcatagc     300
ctccagcagc agggcgtgca ggcagaaaat ataactgtga caaaggactt taggagagtg     360
gaaaatgctt atcacatgga agcagaggtc tgcattacat ttactg                                         406

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<210> 3024

<211> 399

<212> DNA

<213> Homo sapien

<400> 3024

```

ggcacgaggt ctctgcaaaa gacccctccg acccgagtggt tcgtggaact ggttccctgg      60
gctgaccgga gccgggagaa caacctggcc tcaggagagag agacgctacc gggcttacgc     120
cacccctctt cctcaacaca agcccaaact gctaccgcgc aggtgcaagt aagcggcacc     180
tcaaaagtgt ctgcgggccc tgaccggcgc caggtggcgc tgcgagttag cagcaccaag     240
gaggcggcag ccgaggccaa aaagagcgtt tgcgcgcgcg tagattacat cagcagagc     300
ctccagcagc agggcgtgca ggcagaaaat ataactgtga caaaggattt taggagagtg     360
gaaaatgctt atcacatgga agcagaggtc tgcattact                                         399

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<220>
 <221> misc_feature
 <222> (1)...(340)
 <223> n = A,T,C or G

<400> 3028
 tacggctgcg agaagacgac agaagggtac ggctccgaaa agacgacaga agggcattgg 60
 taaaatagac aaaatggcta ctcttaatct accatttctca ctgggttggt gtgaggacac 120
 agataattaa gaaaaacata ataaatatcc aaattagaaa atggaaaagg ggccgtaacc 180
 ctactcctaa cctggctcatt ttaacctcct gtgccctcag tttcttcac tgataaatgg 240
 acataggcct ggtgtgggtg caagaagcag ctaaaaatca ggaaaaagaa catcatgtat 300
 tcagctatgc acacttccaa cgttgcctct tactgaggcn 340

<210> 3029
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 3029
 ctgtgttgag gctaattggcg gtgcccacgg aactggatgg agggagtgtt aaggagaccg 60
 cagcgggaaga ggaatcgcg gttctggcac ctggcgccgc cccgttcgga aattttcctc 120
 attatttctcg cttccaccct ccggagcaac ggctccgect cctgcccccg gagctgcttc 180
 gacagctctt tcttgagagt cccgagaacg ggccgattct ggggctcgac gtgggtgta 240
 actccgggga tctgagtgtg gctctataca aacacttctt ctccctacct gacggggaaa 300
 cctgctcaga tgcctcaaga gaattccgtc tctctgctg cgacatagat ccagtcctgg 360
 tgaagcgagc cgaaaaagaa tgccttttct ctgatgcctt gactttttat accctgg 417

<210> 3030
 <211> 407
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(407)
 <223> n = A,T,C or G

<400> 3030
 cgttgctgtc gaaagactca gccaagtat aggatgcctt ttttcccttt gttttttttt 60
 ttttgaaaag ggagtttgg tttgccccca aagggtggaaa ggcagggcca gaatttgggt 120
 taactgaaat acccccctcc ttgattaagg aaattttctt gcttaaccct cccgggaagt 180
 gggaatggaa ggcccccccc cccaccocgg gtaaattttg gatttttaag aaaaaacggg 240
 ttttaacaat ttggcgtagg gtggttttaa acnatnaacc taagggaatt accttccttg 300
 gccctccaaa aggcgtgaa taaagggcgt aatgcccggc cccaaacaaa aaagggggtt 360
 tttctaaata ccgggggggt ggggttttaa acaatacttt gacaaaa 407

<210> 3031
 <211> 423
 <212> DNA
 <213> Homo sapien

<400> 3031

ggaaatttgg	gaagaatcca	agaagtatag	gccaatgaaa	acaagttatt	aatacaata	60
gtactgtata	tgagagtaca	cattacgaat	gctgtgcttt	aatgcataaa	catgtttaca	120
gtggtccaca	tgtgccagga	gatgtgggaa	tggctacccc	tgaagtcata	tggagaaatg	180
gggtcctcat	cgcacaccat	acacaaacat	catctcacia	atggattaaa	gacacttaag	240
acctgaaacc	aaaaaaactc	ctaggagaaa	acacagggga	aagctccatg	acatcagttt	300
cggcgatgat	ttttttttgg	acatgacact	aaaagaacaa	gcaacaaaac	taaaagttaa	360
cagggtgggat	tacattgaag	taaaaagttt	ctgcacaaca	aaggaaaaca	ccaaCaaaat	420
gag						423

<210> 3032

<211> 410

<212> DNA

<213> Homo sapien

<400> 3032

ggcacgagag	cgcacttccc	tccggagacg	ttagaaagtg	cattttggcg	tcacttaagg	60
gacggtgtag	tgagttccgg	cttactcggg	tccaattctg	tccattgtt	cgttgcattg	120
gaacttttct	ggatttcagt	tctttcatcc	ggggcctgcc	gggtgccgta	acggccattc	180
aaagggaaaa	acgaacacgc	acaccaaagc	gctagccttg	gttcctgcgc	atgcgcagtg	240
acccgagcgg	agaggccgag	gcgtagccta	agcgtgggat	tccgcgcgtg	cgctcggctc	300
cgcctgggtg	ggccgcggcc	gggagggact	ggattatgtc	ggccccgttt	gaagagcgga	360
gtgggggtggt	accgtgcggg	accccggtgg	gccagtgga	cagaccttgg		410

<210> 3033

<211> 416

<212> DNA

<213> Homo sapien

<400> 3033

ggcacgagga	aacgtttgtt	gttttgggtc	tcacaataaa	ccttggtacc	gccaactctt	60
tggctcgtgc	catctaaaag	cgctgtgaca	ctcaccgcga	aggtcccggc	tttattcctg	120
agaccacgaa	cccaccggca	ggaaccaact	ccagactact	atgtgctaca	gagaacttct	180
tcaggccttg	aaaatagaac	atagtaaaaa	gcggcttctt	tgtccatgga	tcagcagtc	240
ctatttccca	gctcgcctcc	aagagctaac	taaagtgcag	cataaactgc	atgcagcatt	300
gttttcacca	cagcaaacc	ttcgggggtg	ctcctagcgg	cggatggaga	actagcattg	360
cgcgagagca	ggaatggggc	acttgtgtgt	aacaaaagat	ggactgcgct	tggaag	416

<210> 3034

<211> 431

<212> DNA

<213> Homo sapien

<400> 3034

cgttgctgtc	gaagactgag	gtcgttgatt	ctgatggatc	agtgaaagac	aaaatcacag	60
cattcatagt	agaaagagac	tttgggtggg	tcactaatgg	gaaaccgaa	gataaattag	120
gcattcgggg	ctccaacact	tgtgaagtcc	attttgaaaa	caccaagata	cctgtggaaa	180
acatccttgg	agaggtcgga	gatgagttta	aggtggccat	gaacatcctc	aacagcggcc	240
ggttcagcat	gggcagcgtc	gtggctgggc	tgtcgaagag	attgattgaa	atgactgctg	300
agtacgcctg	cacaaggaaa	cagttaaca	agaggctcag	tgaatttgga	ttgattcagg	360

agaaatttgc actgatggct cagaaagctt acgtcatgga gagtatgacc tacctcacag 420
cagggatgct g 431

<210> 3035
<211> 335
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = A,T,C or G

<400> 3035
tacggctgcg agaagacgac agaaggggag gagacacaga acatggcggt agggatggca 60
gtctaccctg tggcaacgcg gaagtcacgc tgccgcaagg ggccgattgg ggccatacag 120
accccagaac gcaaatagata ggtaggcgga cctttcccgcc ttgcgcgcat actcagctac 180
gtaagactcc ttccttcacc tttcctttct ttgcctttcc tttccctgac gctggaggaa 240
gaagggcagg ggttctgtgc catangcggc ctttctggtg cagaggacct tccccatcct 300
ccatcatgtg agcagccaga gccgggcgct cgaan 335

<210> 3036
<211> 408
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(408)
<223> n = A,T,C or G

<400> 3036
ggcacgaggc acactgcact ccagtccagt caccggggtcc tgggacctga gcggctacag 60
caggcactga gccaggaaca catcatcggt gccaggaac agacagtac caatcaggag 120
gaagccgcct acatccaaga gatcaccacg gcagatggcc agaccgtaca gcacctggtg 180
acctccgaca accaggtgag ctactagcta ctgttaatcc cctcagctgt gacctcctac 240
cctcccaaag acctaccttg gggaggaatg atactttcca aaccacctc cctgggggtcc 300
atgcttgcca acaactgcat tgttgctggt ggctgttcc agtcttccac tctgccttct 360
tagctaagct cctggcgagt ggggcctcag cacctgcctc gccatgcn 408

<210> 3037
<211> 353
<212> DNA
<213> Homo sapien

<400> 3037
tctactgctg cgagaagacg acagaagggg ctaacatttg ctccatcaag cagataggta 60
acagagtcta ggactggcca tatagttaaa gaacctaccg tcaagcagga gtagtgtag 120
aaattgcttg atggttgat tagcctgatt tcatgctgtg atacagacac accccagact 180
ggggagtta tagagaaaaa gaggtttgat tgactcacag ttccacatgg ctggggaggc 240
ctcaaaatca tgggtggaagg ctaaaggata tcttacatgg tagcagacaa gagagaaatca 300

ggaccaagca aaaagagttt ccccttgtaa agctatcaga tcttgtgaga ctt 353

<210> 3038

<211> 352

<212> DNA

<213> Homo sapien

<400> 3038

tactgctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtgtaga	60
taacagaagg	cactaaatca	ttgaagatTT	gacccttgct	catagacttc	tctttacttg	120
gaataacact	tcgacctgcc	tacaaatctt	caacagttta	tttcagctat	tacctccttt	180
ataagatctt	tcctagtctt	cctagatcct	cttagttcta	cctacaaata	ctttatttaa	240
ctttcaatat	tatctgtgca	cctctggctc	tagccactac	caatttaaaa	gctttttgta	300
tgttatctat	ttctcagtct	gcttaaaaaca	aagaatacat	aatgaacgg	cg	352

<210> 3039

<211> 346

<212> DNA

<213> Homo sapien

<400> 3039

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgaccga	agggacatgt	60
aaacaataat	ttggtgtcgg	gaaggtaggc	gtcagccaag	caaagcagga	aggaaacgga	120
ggagaggggtg	ccttgcttga	atgggggcac	cgcaggggtt	ttcctgccct	gtgcttcac	180
tgtgctatgc	tctaccttcc	ctccagtcag	tcataaaaac	ccctgtttgc	tgccccgggc	240
tttgcttccc	cacactgact	atattagagt	cctcatttgc	agagcagcac	tgcaagctaa	300
gtatttgtag	cacagattaa	agagactgag	gagggctcctg	gggagg		346

<210> 3040

<211> 335

<212> DNA

<213> Homo sapien

<400> 3040

tacggctgcg	agaagacgac	agaagggggc	ggccaccata	atgatactat	atgtgtccaa	60
gctaaacaaa	atcattcact	tccttgatTT	tgataagaaa	attcctgtaa	aggtaagtaa	120
tgaaaagtat	gtatgactgt	gatagaagat	gtgaaaatac	acattgattt	tagagtacag	180
gtcaatttct	atacacactg	tacttcctgc	ctgcaactgga	tagaaacttc	tttttttggt	240
tgagatggac	tgctgctctg	tcgcccaggc	tggagtgcac	tggtgtgatc	ttggctcact	300
gcaatctccg	cctcctgggt	tcaagagatt	ctcgc			335

<210> 3041

<211> 375

<212> DNA

<213> Homo sapien

<400> 3041

cgttgctgtc	gctatggcat	ctgcatgtgg	cggaggttta	gcattaatgg	attcaggggt	60
tccaatttca	tctgctgttg	caggcgtagc	aataggattg	gtcaccaaaa	ccgatcctga	120
gaagggtgaa	atagaagatt	atcgtttgct	gacagatatt	ttgggaattg	aagattacaa	180
tggtgacatg	gacttcaaaa	tagctggcac	taataaagga	ataactgcat	tacaggctga	240

tattaaatta	cctggaatac	caataaaaaat	tgtgatggag	gctattcaac	aagcttcagt	300
ggcaaaaaag	gagatattac	agatcatgaa	caaaactatt	tcaaacctc	gagcatctag	360
aaaagaaaat	ggacg					375

<210> 3042

<211> 389

<212> DNA

<213> Homo sapien

<400> 3042

ctcgccctcag	cgtttctggt	tcaataggtt	ttgggggaga	ccaagaacgt	taacatttct	60
agcaagtttc	caggtgatgc	tgttgttgct	ggtctagaga	ctattttgag	aaccactgtc	120
caggagcgtg	gttttctgat	tgtgatctga	ggttctgccc	caactgcaca	gcagttgggc	180
tgcttggttaa	aaatgcaggt	gcagatcttg	gtggtagtag	caaattattca	aacgagaact	240
ttgaaggccg	aagtggatca	cttgagctca	ggagttcaag	accagcttgg	gaaacatggc	300
aaaaccgcgc	tttatgtgcc	tggaaatcca	cctgctcagg	tggctagggt	ggatggatcg	360
cttgagccca	agaggtggag	gctgcagtg				389

<210> 3043

<211> 387

<212> DNA

<213> Homo sapien

<400> 3043

ggcacgaggc	aatgtgcagt	acctgaaaag	caggatatta	tgaagaaact	gaaggagatt	60
gcattcccaa	ggacagatga	attgaaaaac	gaccttttaa	agaaatataa	cgtagaatac	120
caagaatatt	tgcaaagcaa	aaacaaatat	aaagctgaaa	ttctcaaaaa	attggagcat	180
cagagattga	tagaggcaga	aaggaagcgg	attgctcaga	tgcgccagca	gcagctagaa	240
tcggagcagt	ttctgttttt	cgaagatcaa	ctcaagaagc	aagagttagc	ccgaggtcaa	300
atgcgaagtc	agcaaacctc	agggctgtca	gagcagattg	atgggagcgc	tttgtcctgc	360
ttttccacac	accagaacaa	ttccttg				387

<210> 3044

<211> 373

<212> DNA

<213> Homo sapien

<400> 3044

tacggctgcg	agaagacgac	agaaggatac	ggctgcgaga	agacgacaga	agggatatga	60
gtagttaggag	tgtattgctt	agaacaaaag	agatgagaca	ctaactactgt	gtgtatatct	120
taaatcatat	atcagtgaag	aaatgtgatg	tttgcaacat	cttctctggg	gatgctaacc	180
ccctaagtca	ttattaccat	gcatgtaagc	acctcaccta	gatctgcact	ccatctagca	240
gtgagaaatt	ccaccataat	ctacacacca	taatatcatc	aatgtgtcta	gaagtcagat	300
cctctatgtg	tgaaccaaga	caatgcctgg	caaacaagac	agctgggctc	tcaggtctct	360
gcaccatggg	gag					373

<210> 3045

<211> 379

<212> DNA

<213> Homo sapien

<400> 3045

tacggctgcg	agaagacgac	agaagggtac	ggctgcgaga	agacgacaga	agggtcaca	60
cctgtaatcc	tagcattttg	gacgctacgg	cataagcatt	gcttgaagcc	aggagtttga	120
ggccggcttg	ggaaacagtg	aaatcctgtt	tctacacaaa	ataaaaaaaaa	ttagtttgct	180
gtggtggtat	gcatctgtag	ttccagctac	ttgggaggct	gaggtgagag	aatcacttga	240
acccagaagt	tcaagactgc	agtgaactat	gatcgaacca	ctgaacttca	gcctgggcga	300
cagtgagacc	ccttctcaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaggggg	cccttttttc	360
cctaaaccca	accttgaaa					379

<210> 3046

<211> 410

<212> DNA

<213> Homo sapien

<400> 3046

ctgctgtagt	cctaaagagg	aaatgtctct	actctgcgtg	gatgcagccc	gcaccctggg	60
gccccgggta	tttgggagat	atTTTTgcag	cccagtcaga	ccgttaagct	ccttgccaga	120
taaaaaaaaa	gaactcctac	agaatggacc	agaccttcaa	gattttgtat	ctggtgatct	180
tgcagacagg	agcacctggg	atgaatataa	aggaaaccta	aaacgccaga	aaggagaaag	240
gttaagacta	cctccatggc	taaagacaga	gattcccatg	gggaaaaatt	acaataaact	300
gaaaaatact	ttgcggaatt	taaatctcca	tacagtatgt	gaggaagctc	gatgtcccaa	360
tattggagag	cgttggggag	gcggagaata	tgccaccgcc	acagccacga		410

<210> 3047

<211> 396

<212> DNA

<213> Homo sapien

<400> 3047

caaccgagat	gaagggtgaag	atgctgagcc	ggaatccgga	caattatgtc	cgcgaaacca	60
agttggactt	acagagagtt	ccaagaaaact	atgatcctgc	tttacatcct	tttgagggtcc	120
cacgagaata	tataagagct	ttaaattgcta	ccaaactgga	acgagtattt	gcaaaaccat	180
tccttgcttc	gctggatggg	caccgtgatg	gagtcaattg	cttggcaaag	catccagaga	240
agctggctac	tgtcctttct	ggggcgtgtg	atggagaggt	tagaatttgg	aatctaactc	300
agcgggaattg	tatccgtaca	atacaagcac	atgaaggctt	tgtacgagga	atatgtactc	360
gcttttgtgg	gacttctttt	ttcactgggtg	gtgatg			396

<210> 3048

<211> 358

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(358)

<223> n = A,T,C or G

<400> 3048

gcctacggct	gtgagaagac	gacagaaggg	tacggctgcg	agaagacgac	agaagggtct	60
ctcaattttc	cctttgacgc	aaaanttact	cactcagttt	ctaaagaaat	atTTTTtaaa	120
aagggttcca	gtatacgtaa	gttctctcat	ctagacctgg	ttgctcta	cggtgacatg	180

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aatgcaggc tttttaccat cgtaagcagc actaatatga acttggaat atttttaaca 240
cgcgaaaggc taacaagatg actcagcaat accaaagaca ggcctgaatg tccgttacta 300
acaaatactg aaaccctttt taaaaaatat ttatctagga actgagcgag aaatTTTT 358

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<210> 3049

<211> 413

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(413)

<223> n = A,T,C or G

<400> 3049

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cgcacgagga agaaaaatgt ttgtaatcta ttcatttgat aaaagaccaa tattcaggat 60
attcaagaaa cccaaacaat tcaacagtaa acaataaagc ccatgaaaaa gtaggcacac 120
tttttctatt tacctccata aatagacaat tgtcaaagag agacttaca atggccaaca 180
cgaatatgaa aaaataactca atgttcccaa tcatcaggga aatgcaaatt ataaccacag 240
tgaaatataa tctcatccca gtttgaatgg ctattataaa aaagacaaaa aataaccaat 300
gctgatgagg aggtagagaa aaaggaactc ttgtgcactg gttggtggaa atgtaaacca 360
gtacagccac tgtggagaac aatatgaggt ttttcaaaaa actaaaactc atn 413

```

<210> 3050

<211> 398

<212> DNA

<213> Homo sapien

<400> 3050

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ggcacgagac aaaatgaagc tttaaaacag ataaaagaaa tctacaattc cccattttaag 60
taggtgttta aatccaacat ttaaaataaa aattaagcta tttcttttgg gtttcccaca 120
ccacttttac ctgtactgat tttttttctt cttttttttt tttaaaaaaa cagggttttg 180
ttttgtcact cccaacctgg agggcaggga cccaataata tttccttaca gcctcaaatt 240
cctgacctca agggatctcc ttcccaagg gttgcaattg cagggggaac ccactgcccc 300
tggttggtga aaaatTTTTg cctacaggga gggaaactac taaagttcct ggggaaccaa 360
agtaaaatTT cttaaaaaca aaagggaggg agaggaga 398

```

<210> 3051

<211> 340

<212> DNA

<213> Homo sapien

<400> 3051

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tacggctgcg agaagacgac agaagggggc cctcagtggg catgttccgg tctcccagg 60
gacaccaacg ggtcccacag agaccagcct catctccgtc ctggctgatg ccacggccac 120
gtactacaac agctacagtg tgtcatagag ctggaggcgc cccgtccggg cagccctcgc 180
gccctctcct tctgtgcct tgagtggcag aggagccgtc cagccacacc agctttcctc 240
ccaccgctca gggcaggag gtctgaactg cggccccaga gcctttggcc taagctggac 300
tctccttate cgagtgccgc ctctatcccc ttccccacgt 340

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<210> 3052

<211> 383
 <212> DNA
 <213> Homo sapien

<400> 3052
 cgttgctgtc ggagaattcc agttttttctc acatcctcat caacagttgt tattgtctgg 60
 ctttttttatt atattcatct gtaatgtgaa gtgttttatct cattgtgggt ttgatttaca 120
 tttccctgat ggttgatgat tttcaacatc ttttcatata cttattagtc attatgtatc 180
 ttctttggag aatgtctgtt cagatccttt acctacttta taattgggtt atcttttttaa 240
 tattgaactg taatagtttt taaaaaatat atcctaaata caagtctctt atcagataat 300
 atgatttgca gatattttct gtcattctat gtactgtctt ttcacattct tgatgataga 360
 cttttcagcc caaatgtttt tat 383

<210> 3053
 <211> 415
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(415)
 <223> n = A,T,C or G

<400> 3053
 ctcaggctga tctaaactcc tggcctgaag caattctcct gtctcatctt ccgaaagtgg 60
 tgggattaca agtgtgagcc actgcgctag cctatgcttt acttattcca aaaaaataac 120
 atgaatggaa agaggaaaaa taaacctgaa agcaagttga gatacattaa tccagctgta 180
 ttttaaataa gtaacataac cacaccgacg gggattgggt aagggaggat ggaaaatcta 240
 atccaagtga tttatcgaca catcaaagtgt gtttgactgt atactgtcag ttgtggtggg 300
 ggatgggact gcaagaaaaa tcttgaggcc aggcgctggt ggctcatgcc tgtaatctta 360
 gcactttgag aggccgaggg aagatcacct gaggtcagga gttcgagacc agccn 415

<210> 3054
 <211> 421
 <212> DNA
 <213> Homo sapien

<400> 3054
 ggcacgagaa gaccttggat caaaaggaag cttctatacc tctttcttct tcgcttctct 60
 ctctcccaag caatggaaac ttttaccat gtaattctag ctgaactcag gaaaaagaag 120
 ggggaaagga ctctgtcccc ttgggggtca tcaccttcc acatcctcct cctcgttgcc 180
 ccctggctcag gcagcttctt tttttttttt ttaaaaagggt atttttgttt tgtccccag 240
 cttgaaagcc agggggcccaa tctgggttaa tggaaaactt tgcctccgga ataaaagcaa 300
 tactccggcc tcaccttta aagtaccggg aataacgggg cccctcccc cccccgggt 360
 tattttttgt ttttaaggga aaacggggtt tacccttgct gcccaaatgg gtttaaaact 420
 g 421

<210> 3055
 <211> 162
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(162)
 <223> n = A,T,C or G

<400> 3055
 acctatnatg gaattctaatt gtcattatatt taatggaatc aatcgaaata tgctctatag 60
 agaatatatc ttttatatat tgctgcagtt tccttatggt aatcttttaa cactaaagga 120
 acatgacata atcataccat agaagggaac acaggttacc at 162

<210> 3056
 <211> 381
 <212> DNA
 <213> Homo sapien

<400> 3056
 cgttgctgtc gggctgtgag gcgctgggga atctcaaaaa acttcagccg gggacaatca 60
 aaaatctgaa gcaggacaat tggggagaga gagatcactc ttcttgaaga gatcatcatg 120
 cagttgtaga tccttttggt ctagaaaggc cacaagaagc tgagaggaag tctgattcct 180
 cagtgcgcac ggggatggga ttggggtggg ctggtctggt ggtggagcca ccggtatggc 240
 tgacaagata ggggggtggg cagtgtgggg caggggttga gagtgcgggc cctgggtcag 300
 cctgcttatg tatcagtcct gcctctgcca cttactatgc aacctggagc aagtgaacac 360
 ctcagggctc agagtcttca t 381

<210> 3057
 <211> 400
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 3057
 nnnacgagat gaagtgtttg atgtgtacaa agccccactg cagggcgacc acaatcatct 60
 ttttataaga caaggtactg gtctacaggg acaagcagtc tttaaaacga aactcacctt 120
 cagacctcac tctacggaca gtgccacaca tagaaagatg actctgtcac ttgcagatag 180
 gtgttcaaag acacagaaga ttagaatctt gccaatggct ggtcgtgac ctgaatgcc 240
 acgcacagaa atgattaaga aagaagaaga acgtttgagg gcttccatac gtagggaatc 300
 tcagcagcgc cgaatgagag agaaacagca ccagcggggg ctgagcgcca gttacctgga 360
 acctgatcga tacgatgagg aggaggaagg cgaggagtcn 400

<210> 3058
 <211> 335
 <212> DNA
 <213> Homo sapien

<400> 3058
 tacggctgcg agaagacgac agaagggcta ctatgttctt gataacctga tactgctccg 60

ttaatcctcg	tgggttgata	cttgaaagat	atattaatcc	tcatggagca	ggatcagatt	120
accaggaaca	taggagtgga	ttcctgtcca	aaccaaattg	cattcctttg	gattttttaa	180
tttaacttaa	ttggctattc	taaagagtcc	ccctcaccca	atgtttgatc	attggagccc	240
ttaagatgca	caatgaaatt	gtgttttgca	ttttttggta	acaggactaa	aggaaggacc	300
tggtaatgta	tgctggagca	ttcttcttgg	aaggg			335

<210> 3059

<211> 387

<212> DNA

<213> Homo sapien

<400> 3059

ggcacgagca	ttgctttgct	tgtgcatttt	gtccaattct	tggttcaaaa	tgccaaaaac	60
ctggacaact	tgtagtcaag	gcctccact	ggcaacatgt	atatgtgttt	ttgaggtggt	120
aggtagctga	gattgaagat	gagtggattt	atgaattgaa	taacaataaa	tatcctactt	180
aaaaatgtta	aaagtggaa	atcatctctt	attgtgataa	catatttctc	ctccctggga	240
atctgttgga	cagattggag	ctggcagggt	agggcctgta	ttgttgaagt	tgccatggct	300
actgcaggaa	gtgagctttc	ttctaaaaac	ctcactggcc	caagaacaag	cccaggcaag	360
tctacaattc	aatgacttag	aagtatt				387

<210> 3060

<211> 395

<212> DNA

<213> Homo sapien

<400> 3060

ggcacgaggg	tgtggagagg	gcagtggccc	tcatttatca	ctctgacctt	cacagggaca	60
gatctgattt	atattttttg	gttaaaaaaa	aaaagggaac	aaaaccaact	ttgcattgca	120
tgggctggac	ccataaacta	agttatatcc	gggaaaaaaa	aaaaaaaaaa	aaacccctt	180
aaaaataatg	ggggggggtt	tcccgaaacc	ccaacctgaa	aaaaaccctt	gggggggttg	240
ggccaccccc	ccctaaaagg	ccgggaaaaa	aaggcttttt	ttggaaaatt	gggggggctt	300
tggttttttt	tggacccctt	taaacccgga	aaaaaCaagt	taacccccac	aatgggtttt	360
tttttttttt	ccagggcccc	gggggggggg	ggggg			395

<210> 3061

<211> 399

<212> DNA

<213> Homo sapien

<400> 3061

ctggtgttag	ggtactttgt	ttttgaggtt	tggcagagat	gtgtttaaga	gctgcggctc	60
acaagcgagg	ggaggtgtgg	gaggtttttc	tattggagaa	taacaaatgc	taagggtgac	120
gtggaagaag	ttcaaggacc	tggagtagtt	ggtgaatttc	caatcatcat	cccaggctgg	180
gtatatgaat	acacaagctg	taccacattc	tctacaacat	caggatacat	ggaaggatat	240
tataccttcc	attttcttta	ctttaaagac	aagatcttta	atgttgccat	tccccgattc	300
catatggcat	gtccaacatt	cagggtgtct	atagcccgat	tggaaatggg	tcctgatgaa	360
tatgaagaga	tggacaaga	ggaggaggag	gaatatgag			399

<210> 3062

<211> 399

<212> DNA

$\langle 222 \rangle \quad (1) \dots (422)$

<223> n = A,T,C or G

<400> 3065

```

cgttgctgtc gccaggcccc actcacacca ctacaggctc tacctatagt gccattacca      60
ctaccacag tgctccaagc cccctcactc acactactac aggctccacc cacaagccca      120
taatctctac ccttactact acaggcccta cctcaatat cataggccca gtccagacta      180
ccacaagccc caccacact atgccaagcc ctaccatac cacagcaatc cccgcgatac      240
ttcaacgcct tctgacttcc aggtgatgac tgggccccca ataaatcccg tctttgggtc      300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      360
nnnnnnnnnn aaaaaccccc cgcggcgcct tttgttagaa aaaaacaaaa aaaaaaaaaa      420
aa                                                    422

```

<210> 3066

<211> 421

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(421)

<223> n = A,T,C or G

<400> 3066

```

ggcacgaggg gctggggggc ccccaacttg catctcagag accccggaat gcaaggcctc      60
ctgcagctgc acccagggcg cccacagtg atctggggat taggacgctc aggtgtccgg      120
gccctgccc cagcgccctg gcgggagctg ctgtcacacc cagcaggtgc gggccgagca      180
ggaccaaca gagggtcag gagggaagg cccaaccggg agccacgtgg aaccagagg      240
aagccgcccc acccagcttg gccacagcca tcttccctcc tgccggacag ggtgggcccg      300
ccaccgagca gaccagtgc cccgccttgg tcccggtca gcagcccag ggtccccttg      360
cctcatctgg ggcggctgtg ggctctggcg ctctctctg gctgaggtgg aacacagagac      420
n                                                    421

```

<210> 3067

<211> 398

<212> DNA

<213> Homo sapien

<400> 3067

```

ggcacgagac cgtgttgagg gccattgca gaatattgac tttaccagc gaccgtttca      60
tggcatctca acagttagtc ttccaaatag tctgcaggaa gtagggcaca gaaacagggg      120
gaggattggg tgtttttctt gtttctgtgc cctacttgag tcctctaata ctctgtctag      180
aacttgaatc tttgctagat aatgaagggtg atcaggtgat tcatacatct tctttcatca      240
atcaacatcc aatcattttc tggaacctcg tttggtattt cagacgtttg gaccttcccta      300
gtgacttgcc aggacttatc ctacatctg aacattgtaa tgaagggtga cagctttctc      360
tgtcatctct gttccaggat agcaaacttg tgtatatt                                     398

```

<210> 3068

<211> 421

<212> DNA

<213> Homo sapien

<210> 3066
 <211> 421
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(421)
 <223> n = A,T,C or G

ggcacgagac	tgaccatgcc	ccttggacaa	gttatttagt	ctcccggagt	ctgtttgctc	60
atctctaaag	agaggggtgat	gacagtacct	ttttcccagg	gttacagagg	gattgaatga	120
gatgatggat	ggcccagtg	ctggaggaca	gtagcacttt	gtccttaata	gggatttttag	180
caataaaagcc	agcatgaaat	ttatTTTTtca	tgccttaga	tttgaaaatt	tatgacttag	240
aatgtgtgta	cttcttaggt	taacctgcc	ttcgtcacct	catgaaaagt	aagacagact	300
taggtggctg	actttggagg	gttttttttg	ttatatTTgc	tttcattata	gatcagcaac	360
cgttggaaagc	tggcccaggt	acaagtacaa	aaagactcta	aagaagctgt	t	411

<210> 3072
 <211> 406
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

<400> 3072
 ttgagatttt aagtgaatgt aagcagaaaa agtcagatcc aatttacaga aatcagagtt 60
 agctacagct aggactcggt tgggtggggt tttttagttt gtctttctaa agtcatgtgg 120
 accttaattt aattacaaaa gtctaccctg gtggatcatga aataggcagg cctatgaaga 180
 aaggcctttt actcttccag catgcaagct cagaaccaac acattactct ctgtgcctaa 240
 tgttcctcaa tgtggttgat tttttttttt aatttataga gcatttcggg ggaggtgtgg 300
 ggagtttctt nnnacttta tctcnnntt acaaaaattt gaggtgcaaa gggaaggccc 360
 gatttttttt ttaatgaatt tttttttatt agatctcgag gggttat 406

<210> 3073
 <211> 409
 <212> DNA
 <213> Homo sapien

<400> 3073
 ggcacgaggt aaaacacccc ctacatgttc caattctggg cctgtcttct atctatcttt 60
 gcccttctgg tccgttccct gtctgagcc ccagggaact tagggctgaa agtcaccccc 120
 gaagcctcag accagatcgg gaggccacac gcagctcatg gggacagagg gccagggtg 180
 acgggtccact catgagaagt gctatgtgac tccaggaggt ctgtccctct ccgggtcca 240
 atccccagcc caagctcaga tgaccagcc tgtgtccctt tagcggccga ggagccacca 300
 cctgttcggg ggctggagga tggcttccca gaggacctgg gacactcacc tagctcgttc 360
 atggcacggc ggtactcctc atcacaggac agcttcataa cagcacagg 409

<210> 3074
 <211> 406
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(406)
 <223> n = A,T,C or G

<400> 3074
 ggcaccaggn tgtccagagc gttgttcacg tctacgagct cctcagegct ctgcagggtg 60
 tgggtgctgca gcaggacagc tacattgagg accagaaact ggtgctgagc gagagggcgc 120
 tcaactcgag cttgtccgcg ccgagctccc tcattgagca ggagaagcag cgcagcctgg 180
 agaagcagcg ccaggacctg gccaacctac agaagcagca ggcccagtac ctgagggaga 240
 agcgcaggcg cgagcgtgag tgggaagctc gtgagagggg gctgcgggag cgggaggccc 300
 tcctggccca gcgcgaggag gaggtgcagc aggggcagca ggacctggaa aaggagcggg 360

<400>	3081										
ggcacgagcc	acaagaagca	aaccagatgc	ctcctccatt	tcccgaagaag	agcctcaagg						60
agaagccaca	cctgtgggca	acagagaatc	ccccgggaaa	gctgggatga	attcaattca						120
ttccccaggc	cctgcgagcc	cagtcatgta	ccccggatgcc	caagaagcca	aggcaactgcc						180
gcctttagtc	tgtgacgtgt	gcgagaagag	gtttacctgt	aattccaagc	tagtcatcca						240
caagagatca	cacacaggcg	agagactctt	tcaatgtaat	ctctgtggga	agcgcttcat						300

```
gcagcttatt agcctccaat ttcaccagcg aacccacact ggcgagaggc cctacacgtg 360
tgacgtctgc cagaagcagt tcacccagaa 390
```

```
<210> 3082
<211> 349
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(349)
<223> n = A,T,C or G
```

```
<400> 3082
tatgtacttc gattgcgaca tgacaacata cagtgatgag ttggtgcaat gcactcctac 60
aaggcaacga aagataagct ctatttagca acttcgtgat gctatctggg ttattgggaa 120
ccattataaa ctgcaataaa ctggctagct acgacaattg catatcttgt atgttacaag 180
attaagggga ggagcgtgga ggcttagctt anagtcacaa aaggagaact tgaaaaacaa 240
atgcaagaaa aatctgacca gctatagatg catcatgcc aataaaagga actagaagat 300
ctgaagagaa catttaagga gggatatgat gagttaagaa cactgagaa 349
```

```
<210> 3083
<211> 410
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G
```

```
<400> 3083
cgggtgctgtc ggaactggtg gtggctccag cagggtgtgac gatgaaagag ggaaatgaga 60
tcctgcagcg tagcacgaaa ggtaccaggg agctagttag aaactcaacc cccagcctga 120
ctccctgtcc acagtcctcg tgttccttca cagccttaca gggtatcca gcaaccagac 180
tgagccctgg ggaaggttcg aataacctca ggcaggccag agcacaactc ctgccatcct 240
tctcttagct tagggaagct tgcccctaga gcagcatctt catagtatgt ttcccaaac 300
tagtcctatg cgatgctcat cagaaaaaaa tcctgagcaa taactccttt ctctatcccc 360
tatcttgcat aaagaattgc acattcactt attanaggct ctcagaagtn 410
```

```
<210> 3084
<211> 390
<212> DNA
<213> Homo sapien
```

```
<400> 3084
ggcacgagac atcttctcct acttctacat ggtatacggc ggcagctcgg gcaagccctc 60
cgagaagaac ctctacgccg acatcgacgc cgcgtggcag gcgctgcgca cccggtatgg 120
cgtgagtcct gagaacatta tcctctatgg tcagagcatt gggactgtcc ccacggtaga 180
cttggcctcg aggtatgaat gcgcagcggg aattctccat tccctctga tgtctggttt 240
gcgtgtggct tttccggata ccaggaaaac atactgcttt gatgctttcc ccagcattga 300
```

caagatatct aaagtcacct ctctgtgtt ggatcatcat ggcacagagg atgaggatcat 360
cgattttctcc catggcctag cgatgtacgg 390

<210> 3085
<211> 424
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

<400> 3085
ggcacgagga ggcgatgaag ggaaaggtag gaaagttagg ctctcgtaaa gcctagagga 60
tgtggtgggg ccatacaata cggggagtag gccttttggg tagaatctac atgaaatgta 120
ttaggcgatg ggagggggggc gccgacccgc ctccagcgcg atgtgcatcg gaaacttttc 180
ctgggctctt cgaccctcgg tcggctcccc ttaccgggca tgcgtattgc ggccagttgg 240
gccttcgcaa agtgctcagg gaagtgtagt gtgcagggaa agtaggtcac tcctgctatc 300
gcctgggtccg gaggtgtttg aggactacaa ttcccagagt gcagagcggg ccctcaccgc 360
ccgcctctcc gcctacgttt gggttgagtc gagttttcct ggctcctgag gaacatggag 420
tgcn 424

<210> 3086
<211> 395
<212> DNA
<213> Homo sapien

<400> 3086
tacggctgcg agatgacgac agacgggtac ggctgcgaga agaccacaga tgggttccgc 60
tgcgagaaga cactgaagg ggacggctgc gagaagacga ctgaagggtta cggctgcgag 120
aagacgactg aagggtacgg ctgcgacaag acgacttatg ggtatcggct gcgagagacg 180
acagaatggt acggtgctaa aagacgacag aagggtacg gctgcgagaa gacgacagaa 240
gggttacatt acatgatgct tcaatactag ataaaccagg cttttgtgtc aaagctagat 300
tataggattt ggagtttaac tttcttttcc cagcaaggta gtggccatct gaggcagctg 360
gcaaaaactg ggaggattag tgatcaagaa attgt 395

<210> 3087
<211> 423
<212> DNA
<213> Homo sapien

<400> 3087
ggcacgaggt gaaagcccaa gtttagatgt gcattaagta ttaaatagca cagtatcttc 60
ttcatggagc ctttttttcc ccccatccc ctgcagctgc ctttttttgg gggaaggggg 120
ggaagggttt ttgaacttta aaaaattaaa aatatagctt attgaataac cgccataaaa 180
aatataaatg cgaatatcat aaaactcata ctgctaaact aaattttttt tttttcttgt 240
aacggagtca taactatgat accaggctgt agtgcagcgg cacgatcttg gtatattgaa 300
agctacacct tccgaggtca ctccatcatc ctgcataaac cgtataagta gctggcacta 360
caggtgacag ccaccatata cagctaattt tttttgtgtt tttacaaaaa gagagagaaa 420
aag 423

<210> 3088
 <211> 409
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n = A,T,C or G

<400> 3088
 ggcacgagag atggctcatg ggccaccaga agcattactg tattattagt atgattttaac 60
 ctggacatgc attaaagggt ctattacctt tctttccgct tgcctcaaca gctgagaagg 120
 ggccgccaaag gagtgccaac cttttgctcc ctccatctct ggagtgcagg atgggagagc 180
 gtgcgcccac gagggggcgt ctcttggtcg gcaaggaggg aaaggcagcg agaggtgcgc 240
 gcaggttggc agtcgtcagc aagctggcaa tgagaaggct ccgaactgat gaatggaaac 300
 ctgctgagct ggagggcgct aggtgacct tgcagagcat ctctgacagc aatcggcacac 360
 gctctctttg gaatagagga aagaagctaa acccaccgcg cggaggatn 409

<210> 3089
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 3089
 gttgctggcc cttgattgct ggaaggattc cgaggaaaag gacaacaacc tgtgtggggt 60
 ccctcccagc aactgaaatt gcaccataac tcccaagaag aaacactccc agaaacaaaa 120
 ggcaaagacc cctctgaaac caaagagcaa gtatcaccgc ctgacacata aacttcatga 180
 cctcgacatt gagacaaaat ctgcgcgtgt gacctacaac accactcatt taactccacc 240
 aacttgggggt caaataaagg tcttatccca tcaacagaaa aatcattaag agaaaaatga 300
 atccccaaaa cgacagtctg cagatccgcg aaggaatccg aagacaagtc caaagtcaac 360
 gacaagcaat gatggcaatg gtgacccatg ttaataaaaa gcggggagaa tgtgtggtg 417

<210> 3090
 <211> 337
 <212> DNA
 <213> Homo sapien

<400> 3090
 tttagcctg cgagattact actgaaaggg cagccttgac ctccataggct aatggaatcc 60
 tccacacctta gcctctccag tagctggaac tacaggcatg catcaccatg cccagctgat 120
 tttaattttg taaaggcagg accttcctat tttccccagg ctgatctcta actcttggcc 180
 tcaagcaatc ctctctcttt ggctcccaa aatggttggga ttacagatgg gagcccccat 240
 acccaccaat cacaaggatc ttataagag aatgaggcag gagagtcaga attatagaac 300
 gtgatggcgt aatggaagaa catgtcaaag agggacg 337

<210> 3091
 <211> 375
 <212> DNA
 <213> Homo sapien

```
<210> 3092
<211> 428
<212> DNA
<213> Homo sapien
```

[illegible]

```
<210> 3093
<211> 384
<212> DNA
<213> Homo sapien
```

```
<210> 3094
<211> 345
<212> DNA
<213> Homo sapien
```

<400> 3094
tacggctgcg aqaagacgac aqaagggggg ggtggatgag tgtggcattc cgtgaagagg 60

catgatcagg ggagcaggaa tcaggagctc ggtggatttg caggtggcag gccagggatt 360
tgtaccgtgg gacttgggta aataag 386

<210> 3098
<211> 407
<212> DNA
<213> Homo sapien

<400> 3098
cgttgctgtc ggggctcaag tgatcctcac gccttggcct cccaaagtgc tgggattata 60
ggcatgagcc actgtgcttg gccaggattt tttttttttt ttttttggaa agggagtttt 120
ttttttgttg cccaggcgga agggcaaggg ggaaatttgg gttaatggaa ccctccctt 180
tcggggtaaa agggattttc tggcctaacc ctcccaagaa gggggaataa aaaatctgcc 240
cccccttccc aactaaattt tgttttttaa gaaaaaacgg ggtttttcct tgtgggcaag 300
gggggtctta aactcttgac cttaaaggaat cggccacact gggcctccaa aagggcggga 360
ataaagggcg gaacccttg ttccaaaagg aaattttttt ttaatag 407

<210> 3099
<211> 426
<212> DNA
<213> Homo sapien

<400> 3099
cgttgctgtc gaaaatgaaa agacaagcca tagactggga gaaataattt gcaaaacata 60
catcttacag agcacttggt tccagaatgt ataaagaact ctttttattt gcgtgtgtgt 120
gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtttta tacagacact gtctatgttg 180
cccacactgg tcttgaacct ctggctcaag agatcggctt ttctaccct cccaaagtgc 240
taagattaca ggtgtgagtg accacgcccc gccaatatct ctttaataagg cagcccgcg 300
ttggtggtat atgcttgtaa ttccagctct ttgagaggct gaggtgggag gatgatttga 360
gatcaagagt ttgagactag cctagggaac acaggagagac cccatctcta cataaaatta 420
aaaaaa 426

<210> 3100
<211> 375
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 3100
ttcgaattcc gctgctggcg acgatttgct ttagggctcg ggcnncgtac gtagcagagc 60
aggccctct ctgcgatcta ttgagagtca gccctcgaca caagggtttg gacactttta 120
agaaacaaag atagttttct gaacattctg tgctctgcct gtctcctgtt gattcgcaga 180
tgtaatatcg agtattcatc aactggtctc aatttctga acacattcac tgtatccctc 240
attgtaaccg ttatccccct gcttcaaaat gtgccagttc cacttggtta taacgttggg 300
aaaatgcagg tttatgaatg atgtggactt ttagaggatc aaatcaataa attggatttt 360
ttattttttg agggg 375

<210> 3101
 <211> 388
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(388)
 <223> n = A,T,C or G

<400> 3101
 tacggctgcg agaagacgac agaagggcat ctataggaaa aagtctttcc ctatggaagc 60
 tactccctta aactagaaga ggtgactgtt ccaccagatg cacagatatc aacataaaga 120
 CCCaGaaAaC aCaaagaagc aaaaacaaaa cgaaacaaaa aacacacaaa caaatgaaac 180
 gaaacacaaac acttccaaat gaacataata attctctgtt tacagaccct aaagaaaaga 240
 aaatctatga aatactaaga agaacttgaa aataatgatc ttaaggaaac tcagtaagat 300
 ataagagaat acagaataac aattcaacaa aatcagaaaa acaatttcta aactgaaaga 360
 gaaattcaac aaggatggag ataccatn 388

<210> 3102
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 3102
 ggcacgagggt tactctttca ttactcaag aaatgatttc ttgagttccc ggcctttggt 60
 agagagatga acgaggcacg gtccgtgtcc agctaaagga cagtaggact ggaagagcgt 120
 tgttttccaa ggtacaggat gccgcgcctc ctaggagccg aagggacggg aggccgcgta 180
 gaggagggga cgtccccga gcctcgccga gcctgcgggtg tagacacctc tgggtgtctag 240
 tggttgagga tctgttgacc gggcatggtg ggtagaagga acgctccgag cagaagaaaa 300
 gtggctgtcg tgaagacatc tgcgtgtgcg ggggtgcgtgg gtgcctggag atgaagctgg 360
 aaagagctgc tgcccaaagg gagcaaggag gaacagcggg attacgtctt ctacctg 417

<210> 3103
 <211> 340
 <212> DNA
 <213> Homo sapien

<400> 3103
 tctatcggct gcgagatgac gacagaaggg tacggctgcg agaagacgac agatgggtac 60
 ggctgcgaga agacgacaga aggaattat gtaacatttc tgtacacagt acatcagtg 120
 acttaattag ggtgcctcct acctcttaca caaatgaaat gctttgtgac aggtattctt 180
 cctcttgaaa ggctttttta agaaaaaaa taatttttaa ctgtatacta gataatctga 240
 gattgcaaaa ggagcaccag ataaggagg tgttaccatg ctgtgcagca gaagaaggct 300
 tataattaag cgtactacac tttaatgctg gggttattcg 340

<210> 3104
 <211> 351
 <212> DNA
 <213> Homo sapien

```

<400> 3104
tacggctgcg agaagacgac agaaggggtac ggctgcgaga gacgacagaa ggggtacggct      60
gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggggtac ggctctctac      120
ttacaacctg ctttctctgc tgaagcctta cctcctcttc agtttccctc ctagacacaa      180
atcgaaaata atatactgat agctgggttag taacctcagt aagaattaaa actgaggggtg      240
tttactcatt ttgcctttaa atcttttatc cctttttggg gaagggttcc ctttaggaaa      300
aaaggtgtca aacaaccctg agtttttttt ttttggcacc atttttataa g              351

```

```

<210> 3105
<211> 342
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

```

```

<400> 3105
tacggctgcg agaagacgac agaaggggaga agaaccatgg aacatcttaa caaagaaaag      60
atagagttgt aataggattt gggagaatag tggagtttat gtgaaattta aacaaagcat      120
tgttttgata ggctaaaagc agtgtaaggc tgtgtaaagg ggtcaacatc aggtctgaac      180
tgtcaatcag acccaggggt ctgtttgctt ggaaactaca aagttaacat aaatgtggga      240
tttttgtctt caaaaacttc ttctttgaag ctctatacct tggttgtaaa ttgaggctac      300
ttanaaatta tacgtgtaaa ttgagtgact tagatctgcc at              342

```

```

<210> 3106
<211> 395
<212> DNA
<213> Homo sapien

```

```

<400> 3106
atccgatgct gccgaaacca caaagctaca tactgaccct cttttttttt gagacggagt      60
tttgctattg tgaccaggc tggagtgcag aggcgcaacc ttggcgtcac tgcaacttcc      120
gtttcccggy ttcaagggat tctccggcct cagcctccca agtagctggt tttataggag      180
cccgccacca gaccgggcta attttttagt tttagtagag acgggggtcc accacgttgg      240
ccaagctggg cttaaatgac cctcttattt ttaacttggg tacctgctat tctgccaaaa      300
gacaatttct agagtattta tgaatgggtt gattatcccc actccacaa actctgaagc      360
cagtgtctag cttactaaaa aaagagctgt atata              395

```

```

<210> 3107
<211> 160
<212> DNA
<213> Homo sapien

```

```

<400> 3107
gaacttccta cacaaccctg gtattcatcc cccagacgtt taaattgtgc ggaaatatct      60
agtatcagct ttcattgttac agaccagcc ccttgctcta cctctggagt cacagctgga      120
ttaactaaat taactacaag aaaggacaac tatactgcag              160

```

```

<210> 3108

```

<211> 422
 <212> DNA
 <213> Homo sapien

<400> 3108
 cgttgctgtc ggagactgga gaatgtatac acaccttata tgggcatact tccactgtgc 60
 gttgtatgca tcttcatgaa aaaagagttg ttagcgggtc tcgagatgcc actcttaggg 120
 tttgggatat tgagacaggc cagtgtttac atgttttgat gggtcattgt gcagcagtcc 180
 gctgtgttca atatgatggc aggagggttg ttagtggagc atatgatttt atggtaaagg 240
 tgtgggatcc agagactgaa acctgtctac acacgttgca ggggcatact aatagagtct 300
 attcattaca gtttgatggg atccatgtgg tgagtggatc tcttgataca tcaatccgtg 360
 tttgggatgt ggagacaggg aattgcattc acacgttaac agggcaccag tcgttaacaa 420
 gt 422

<210> 3109
 <211> 154
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(154)
 <223> n = A,T,C or G

<400> 3109
 gatcaactca nccaggaccc gccagcagat gcatgatgcc catacctttc acagcaactc 60
 tgttttgacc caagaagatg cagcagctgc tggggatcgc agaccagccc ctgaccctgg 120
 atttatecgc tgattcagat gaagcccttc gaag 154

<210> 3110
 <211> 351
 <212> DNA
 <213> Homo sapien

<400> 3110
 tactgctgct agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagcgc 60
 tgcgagaaga cgaccgaagg gtacgggttg gagaaagcga cagaagggga ctgcggcttg 120
 tgccgcttcc gcatgaaggc ttcttggcct gttgcagcca tggatgcattg cacctgcgtg 180
 ttgttcagaa agattcccaa atgctggaaa atcctctttg ctaagctgcg tgtcttatgc 240
 agaacctgct attgccgatt acgcatttac aacattacag cctgaacttg gaaagatcat 300
 gtctcagtga ttcaaacaga tattagtagc tgatcttccg gctttaatag a 351

<210> 3111
 <211> 391
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(391)
 <223> n = A,T,C or G

```

<400> 3111
gacccttgca ctctcagaca ccttgagggt catcagagga aaaaggtacc acagaagaat      60
ttgaaccgag ggcctgatga aacagtgagg ttccacataa cccaagcctt gaacattttt      120
caagagaaaa agaacggaca gttccatcta ttgatgtttg agaaatcaga tgagattaag      180
tgagagaaga aactattgcg ggaactaaat gatactaact tactaacaca aagaaggaaa      240
caacacatac tgaggtctac ttgaagtgag gggaggtggt gnaagtttat cacacaccaa      300
aagaagtgag ggtccccgaa ccaggagaac ggaggggtacc acaggacaat cgctgcccccc      360
caacctcgta gcaacagcgg taccgtggga g                                     391

```

<210> 3112

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

```

<400> 3112
gggttnnnngc cggcctacgg ctgcgagaag acgactgaag gatacggctg cgagaagacg      60
acagaaggggt acggctgcga gaagacgaca gaaggggggtc cggcagaacc tgcacgcccc      120
cggagccttat gagaggtgtg aattcatgga cccatccttg aatcagaatc agggcccccact      180
tctgcatcag aagccctggg tggcaccagc aagtgttttg caagcccttg agaagcagtg      240
tctttgagaa cgtgacctgt gcccaggca ccagatttac tccccgagcc cagcaggaca      300
tctgcatata acacacagcc gaagtcagaa aatatatttt tgggtgactaa acggagcacc      360
tggagtacat gataacacac acacacacac acacac                                     396

```

<210> 3113

<211> 179

<212> DNA

<213> Homo sapien

<400> 3113

```

cggttgctgtc ggagagacag aaggaactgg cgacagtgggt ctcagggccg ctccgggggg      60
cctcaagaac cggaggcagc cccggagggt gccgcgggcg gacacgccag aggaggaggc      120
cggggaatgg ccgcggtgtg gcagcaagtc ttagcagtgg acgcgaggta caacgcgta      179

```

<210> 3114

<211> 352

<212> DNA

<213> Homo sapien

<400> 3114

```

tctactgctg cgagaagacg acagaagggt acggctgcta gaagacgaca gatgggtacg      60
gctgcgagaa gacgacagaa gggtagcggt gcgagaagac cacagaaggg tacggctgcg      120
agaagactac agaagggtac ggctgcgaga agactacaga agggtagctg tgcgagaaga      180
cgacagaagg gtacggctgc gacaagacca cttaagggtta ccgctgcgag aagacgacag      240
aagggtaccg ctgcggtaga ccacagaagg gctattgcat gccagcagct atctggggcc      300
ctgggacatc tgtgccagtc cttgagcgcg gagccgctcc agccaccgtt ct                                     352

```

<210> 3115
 <211> 333
 <212> DNA
 <213> Homo sapien

<400> 3115
 tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
 tgccagaaga cgacagaagg gatatactaa gagaaagcca tcccttcctc agtccagagg 120
 aggaatccta attaagccaa tcaggtaatt tcattctgct ctgtcagtga ctggccatga 180
 ggacagatgg gaaaatctag aagcttctgg aaatatgttt ctctcttcta cacttcttac 240
 agaaggtgtg ggaggaagag tgccctttct cctctcacc ctcctcccaa ccggtagaaa 300
 attcaacaga attatTTTTT taaatgctgg cat 333

<210> 3116
 <211> 346
 <212> DNA
 <213> Homo sapien

<400> 3116
 tacggctgcg agaagacgac agaaggggct ccaatcaagg ggttctgggt ctgtaacagg 60
 gcttaagttt aggaactgat taaggagcta tgactgggtga ttttaagttag gcatctgttc 120
 acttacctta gaactcttcc ttttgtacag atcaatttag aatttagtgg aatgcccatac 180
 ttttgttttt ttctaggaac actatgacca gccagccaat gctgtagggt tctgtgaatc 240
 agactattca gattattgct ttgactttgc cgtccattat ggtaaccata actactttat 300
 ctttagtgat taagtgctgc cacttggccc ctgccacccc aggatg 346

<210> 3117
 <211> 343
 <212> DNA
 <213> Homo sapien

<400> 3117
 tacggctgcg agaagacgac agaaggggtg agactctgtc tcaaaaaaaaa aaaaaaaaaa 60
 attagacttc aaaaggggtg ggctcctgaa atccccccct tttggggacc ataaccaggg 120
 gcgggaggat cactcgaccc agggaaattaa aaataaccct gacaaaaata aaccccgttt 180
 ttgaaaaaaaa ttttaaaaaa ctaacttggc ttgggggctc acccctgtag cccacacctat 240
 taaggaggct ggggtggggag gaccacttga ttctaaaagg ttaaggctgc cttgaccctt 300
 tatcacacca ctgtttttcca ccctgggtga caaaccaaaa tct 343

<210> 3118
 <211> 403
 <212> DNA
 <213> Homo sapien

<400> 3118
 ctgggatcat gccattgcac tccagcctgt gtgatagagc gagacttcgt ctcaaaaaaa 60
 aatctaattt taaagtctta agattttgcc attcctccta ctcccaaaca aatctttggg 120
 gaaaaaaaaa ctaccaactg tcagccatgg gcctgacggc gctaagctct ggggctccgt 180
 gcactgacgt gggggccagc acagggaggc ggggatcaag tagcggaggc caggattttg 240
 gccacctccc gggcaagttg cagggcagtg gcgccgggag caaaagcagc atgatgcagc 300

```
<210> 3119
<211> 357
<212> DNA
<213> Homo sapien
```

```
<210> 3120
<211> 404
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G
```

```
<210> 3121
<211> 372
<212> DNA
<213> Homo sapien
```

$$\begin{aligned} \langle 210 \rangle & 3122 \\ \langle 211 \rangle & 387 \end{aligned}$$

<212> DNA
<213> Homo sapien

<400> 3122
cgttgctgtc gcattggcctt tgcttgaatt tttgcttggg ttggttagtgg aattagaatg 60
aataggtttt aaggccattt atgggtggctc atacctataa tcccagcact ttgggaggcc 120
aaggcgaaag aatcagttga aaccaggagc tcaagaccag cctggacaac atagcgagac 180
ccccgcctct ataatttttt ttttttttta aattatccaa gtggggcggc acaccctttt 240
agtcctatct actctggaag ctgaccagga ggatggcttg accccaggag ggcaaggatc 300
cagggagcta tgattgcccc actgctttcc accctgggtg acagagaagg accctgtgtt 360
aaacaaaaaa aaaaaaggcc cgggacc 387

<210> 3123
<211> 342
<212> DNA
<213> Homo sapien

<400> 3123
tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagggc 60
tgcgagaaga cgacagaagg gcttctgata gcattggcta ttataagaaa caagtatttg 120
ctctcgtttt taacgggata ataattgctat gtctacataa aatgatttct gccaccttaa 180
atagctcact gtagaaattc atgtataaat ggaaccatat agtacatata tatactctta 240
ggctctggcaa atatttgagg ttcattccata ttttatattc actcatcagt agttgtaaac 300
acattcttaa agtagcattt tcagttatga ataagcaagg at 342

<210> 3124
<211> 338
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G

<400> 3124
tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagggc 60
tgcgagaaga ctacagaagg gtacggctgc gagaagacga cagaagggtg cggctgcgag 120
aagacgacag aaggggcttc acgacttatg gcatgtctta tttaaaaaaa aaaaaggact 180
aggggcaaat aacattttga gggggtattt aattaaaaat ccatgcaggg acagctgagt 240
tcgggtttta tggtgggcta atacttccta aaattattta gaacaggact ggctagaaaa 300
actttctgcg atgatgcaag ggttctatgt ctatgctn 338

<210> 3125
<211> 393
<212> DNA
<213> Homo sapien

<400> 3125
cttttaggaac gagtttctgc ctgtgcactg aagaatttgc ctccaaagac atgacgccac 60
tgaagccagc agaaatgcag gaagccaacc taacaagcat ggggcttttt atgaagagga 120

tagacattgc	gggcctaggc	cactgtgact	tcatgaacag	accagcacca	gaaagtttga	180
tgcaggcatt	ggaagactta	gattatctgg	cagcactgga	taatgatgga	aatctttctg	240
aatttgggaat	catcatgtca	gagtttcctc	ttgatccaca	actctcgaag	tctatcttag	300
cgtcctgtga	atttgactgt	gtagatgaag	tgctaacaat	cgcagccatg	gtaacagctc	360
caaattgctt	ttcacatgtg	ccacatggag	ctg			393

<210> 3126

<211> 325

<212> DNA

<213> Homo sapien

<400> 3126

tctacggctg	cgagaagacg	acagaagggt	acggctgcga	gaagaccaca	gaagggtacg	60
gctgcgagaa	gacgacagaa	gggtacggct	gcgagaagac	gacagaaggg	tacggctgcg	120
agaagacgac	agaaggggac	ccagaattat	ctgggtcaat	aaaaataatt	ggcctattct	180
tctataattg	ttggggctaa	aatgaccaa	taaattagtt	cacttcagta	acctaaactc	240
aagcattcct	atgtgccttg	ctctctttct	tgcctctgaa	tcttatacat	gagtatatgc	300
tttaaattga	caatagcata	ttatc				325

<210> 3127

<211> 325

<212> DNA

<213> Homo sapien

<400> 3127

taccgctgcg	agaagacgac	agaagggtac	ggctgcgaga	agactacaga	agggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtg	cggctgcgag	120
aagaccacag	aagggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaagggt	acggctgcga	gaagacgaca	gaaggggctc	gcgatagcca	gccgcggctg	240
cccttgcgct	tcccgaagctg	gcgggggtccg	tggtgcggga	tcgagattgc	gggctatggc	300
gcccgaaggtt	tttcgtcagt	actgg				325

<210> 3128

<211> 375

<212> DNA

<213> Homo sapien

<400> 3128

tactgctgcg	agaagacgac	agaagggtac	ggctgcgaga	agacgacaga	agggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacta	cagaagggtg	cggctgcgag	120
aatacgacag	aagggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaagggt	acggctgcga	gaagacgaca	gaagggtacg	gctgcgagaa	gacgacagaa	240
gggtacggct	gcgagaagac	gacagaagg	tacggctgcg	agaagacgac	agaagggtac	300
ggctgcgaga	agacgacaga	agggtacggc	tgcgagaaga	ctacagaagg	gtacggctgc	360
gagaagacga	cagat					375

<210> 3129

<211> 377

<212> DNA

<213> Homo sapien

<400> 3129

tactgttgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgat	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtagcggctg	cgagaagacg	180
acagaaggggt	acggctgcca	gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	240
gggtacggct	gctataagac	gacagatggg	tacggctgcg	agaagacgac	tgaagggtag	300
ggctgcgaga	agacgacaga	atgggtacggc	tgcgataaga	cgactgacgg	gtacggctgc	360
gagaagacta	cagaagg					377

<210> 3130

<211> 337

<212> DNA

<213> Homo sapien

<400> 3130

ttacggctgc	gagaagacga	cagaagggta	cggctgcgag	aagaccacag	aaggggtacgg	60
ctgcgagaag	acgacagaag	ggtagcggctg	cgagaagacg	acagaaggggt	acggctgcca	120
gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	gggtacggct	gcgagaagac	180
gacagaagggg	tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agaccacaga	240
aggggtacggc	tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	ctgaagggta	300
cggctgcgag	aagacgacag	aaggggtacgg	ctgcgag			337

<210> 3131

<211> 336

<212> DNA

<213> Homo sapien

<400> 3131

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aacacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtagcggctg	cgagaagacg	180
acagaaggggt	acggctgcca	gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	240
gggtacggct	gcgagaagac	gacagaaggg	tacggctgcg	agaagacgac	agaaggggtac	300
ggctgcgaga	agacgacaga	aggggtacggc	tgcgag			336

<210> 3132

<211> 379

<212> DNA

<213> Homo sapien

<400> 3132

tacggctgcg	agaagacgac	agaaggggtac	ggctgcgaga	agacgacaga	aggggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggta	cggctgcgag	120
aagacgacag	aaggggtacgg	ctgcgagaag	acgacagaag	ggtagcggctg	cgagaagacg	180
acagaaggggt	acggctgcca	gaagacgaca	gaaggggtacg	gctgcgagaa	gacgacagaa	240
gggtacggct	gcgagaagac	gacagaaggg	tacggctgcg	agaagacgac	agaaggggtac	300
ggctgcgaga	agacgacaga	aggggtacggc	tgcgagaaga	cgacagaagg	gtacggctgc	360
gagaagacga	cagaaggggt					379

<210> 3133

<211> 338

<212> DNA
<213> Homo sapien

<400> 3133
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180
acagaaggggt acggctgcca gaagacgaca gaagggattc aaaccaaagg caaagaagtt 240
gaaaactttg aaaaaaattt agaggaatgt ataactagaa taaccaatac agagaagtgc 300
ttaaaggagc tgatggagct gaaaaccaag gctcgaga 338

<210> 3134
<211> 334
<212> DNA
<213> Homo sapien

<400> 3134
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaacacga cagaagggcc ttaatggtgg 120
gacttgcaga aaccgtggcc atttttcatc acagcctttc ctatactgtg tgacctcaag 180
aacttcctgc tttaggatgc ccagttaata atatggtatc tgtgggatgg agtgaactct 240
ttaacaaata tttaccaaact acttactttg agcaagacac tgtgcttggg gatggttgag 300
taccgagaag ttgcaactgg tggttcattc tctg 334

<210> 3135
<211> 344
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(344)
<223> n = A,T,C or G

<400> 3135
gcctacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggggtac 60
ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg gtttagcttt 120
ttaattatgc taaatgacac atataattat tctttaatat ggaaatatgg tatgtagaat 180
ttcatcatta tgaaatttat atatcaagga agtaataaat atgcccagca gatattccct 240
aaaaattcta taccatttta gagggtttct ttctttgctt tcaccatgat gttcttccta 300
aattatcaat aacacatata ttaactatag tttttcatta tccn 344

<210> 3136
<211> 353
<212> DNA
<213> Homo sapien

<400> 3136
tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaaggggc aaagccaaga 120
tcgtgccact gcactccagc ctgggcaaca gaaggagact ccgtctcaaa aaaaaaaaaa 180

```
<210> 3137
<211> 384
<212> DNA
<213> Homo sapien
```

```
<210> 3138
<211> 403
<212> DNA
<213> Homo sapien
```

```
<210> 3139
<211> 335
<212> DNA
<213> Homo sapien
```

```
<210> 3140
<211> 350
<212> DNA
<213> Homo sapien
```

tacggctgcg	agaagacgac	agaagggtac	ggctgcgaga	agacgacaga	agggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgaa	120
gacgacagaa	gggtacggct	gcgagaagac	gacagaagg	tacggctgcg	agaagacgac	180
agaagggtac	ggctgcgaga	agacgacaga	aggatacggc	tgcgagaaga	cgacagaagg	240
gtactgctgc	gagaagacca	cagaagggtta	cggctgcgag	aagactacag	aagggtacgg	300
ctgcgagaag	accacagaag	gataccgctg	cgagaagacc	acagaagggt		350

<210> 3141

<211> 371

<212> DNA

<213> Homo sapien

<400> 3141

tacggttggt	agaagaccac	agaagggtac	ggctgcgaga	agactacaga	agggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aagggtacgg	ctgcgagaag	acgacagaag	gggtacggctg	cgagaagacc	180
acagaagggg	atccttgcat	ctgttactta	gggtcaaggc	ttgggtcttg	ccccgcagac	240
ccttgggact	acccggcccc	agcgcagcta	tgaacctgga	gcgagtgtcc	aatgaggaga	300
aattgaacct	gtgccggaag	tactacctgg	gggggtttgc	tttctgtcct	tttctctggg	360
tggcaacatc	t					371

<210> 3142

<211> 370

<212> DNA

<213> Homo sapien

<400> 3142

tacggctgcg	agaagacgac	agaagggtac	ggctgcgaga	agacgacaga	agggtacggc	60
tgcgagaaga	cgacagaagg	gcccggctgc	aaaacgacaa	tccatcggtta	cggctgcgag	120
aagacaacag	aagggtgctg	ctgctttaag	acgacacaag	gggtacggctg	ccatatgacg	180
actgaagggt	accgctgcta	taagacgaca	gaagggtacg	gctgctttta	gacaactgaa	240
gggtactgct	gttttttgac	cacctaattg	tacggctgcg	agaagacaac	acaacgggtac	300
ggctgctttt	ttactacaca	agggcacggg	tgcgagaaga	cgattaaggg	tacggctgcg	360
ataagacgag						370

<210> 3143

<211> 377

<212> DNA

<213> Homo sapien

<400> 3143

tacggctgcg	agattacgac	agaagggtac	ggctgcgaga	agacgacaga	agggtacggc	60
tgctagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aagggtacgg	ctgcgagaag	acgacagaag	gggtacggctg	cgagaagacg	180
acagaagggg	acggctgcta	gaagacgaca	gaagggttgg	aagcagaaat	gctctgatgg	240
ccttgaagat	tgctttttgt	attagttagg	attctccagg	gtaggatata	tgtaaatatg	300
tagaaagaaa	tgtattatga	aggactggct	tatacaacta	tggaagcctg	gacatcccac	360
gatctactgt	ctgcaag					377

<210> 3144

<211> 357

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(375)

<223> n = A,T,C or G

<400> 3147

tacggctgcg	agaagacgac	agaagggtac	ggctgcgaga	agacgacaga	agggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagagacaga	agggtacggc	tgcgagaaga	ccacagaagg	gtacggctgc	gagaagacca	180
cagaagggtta	cggctgcgag	aagaccacag	aagggtacgg	ctgcgagaag	acgacagaag	240
ggtacggctg	cgagaagaca	acagaagggt	acggctgcga	gaagacaaca	gaagggtacg	300
gctgcgagaa	gacgacagaa	gggtacggct	gcgagaagac	nacagaaggg	tccgtcagtc	360
catctccaaa	gccct					375

<210> 3148

<211> 373

<212> DNA

<213> Homo sapien

<400> 3148

tacggctgcg	agaagacgac	agaaggatac	ggctgcgaga	aggcgacaga	agggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aagggtacgg	ctgcgagaag	acgacagaag	gatacggctg	cgagaaggcg	180
acagaagggt	acggctgcga	gaagacgaca	gaagggtacg	gctgcgagaa	gacgacagaa	240
gggtacggct	gcgagaagac	gacagaaggg	tacggctgcg	agaagacgac	agaagggcga	300
ttcctgggat	ttgaccatgc	tcccttctcc	tccattcggg	gggaaaagtg	tgaatgaag	360
ctacatggac	ctc					373

<210> 3149

<211> 374

<212> DNA

<213> Homo sapien

<400> 3149

tacggctgcg	aggacgacag	aagggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	60
cgagaagacg	acagaagggt	acggctgcga	gaagacgaca	gaagggtacg	gctgcgagaa	120
gacgacagaa	gggtacggct	gcgagaagac	gacagaaggg	tacggctgcg	agaagacgac	180
agaagggtac	ggctgcgaga	agacgacaga	agggtacggc	tgcgagaaga	cgacagaagg	240
gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	aagacgacag	aagggtacgg	300
ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	accgaaggga	accggctgca	360
tatctatgac	atag					374

<210> 3150

<211> 372

<212> DNA

<213> Homo sapien

<400> 3150

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tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc      60
tgcgagaaga cgacagaagg gtacggctgc  gagaagacga cagaagggtta cggctgcgag      120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg  cgagaagacg      180
acagaagggt acggctgcca gaagacgaca gaagggtacg gctgcgagaa gacgacagaa      240
gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggcac      300
ggctgcgaga agacgacaga gggtacggct gcgagaagac gacagagggt acggctgcca      360
gaagacgaca ga                                     372

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<210> 3151
<211> 381
<212> DNA
<213> Homo sapien

```

```

<400> 3151
tacggttgcg atatgactac aggaggggtac ggctgcgaga agacgacaga aggggtacggg      60
tgcgagttga cgacagaagg gtacggctgc  gagaagacga cagaagggtta cggctgcgag      120
aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg  cgagaagacg      180
acagaagggt acggctgcca gaagacgaca gaagggtacg gctgcgagaa gacgacagaa      240
gggtacggct gcgagaagac gacagaaggg tacggctgcg gaagacgaca gaagggtacg      300
gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg      360
agaagacgac agaaggggga g                                     381

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```

<210> 3152
<211> 395
<212> DNA
<213> Homo sapien

```

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<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

```

```

<400> 3152
ggcntncccc gcatcggcct acggctgcta gaagtcgaca gaagggtacg gctgcgagaa      60
gacgacggaa gggtacggct gtgagaagac gacagaaggg tacggctgcg agaagacgac      120
agaagggtac ggctgcgaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg      180
gtacggctgc gagaagacga cagaagggtta cggctgcgag aagacgacag aagggtacgg      240
ctgctagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcca      300
gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac      360
gacagaaggg tacggctgcg agaagacgac agaag                                     395

```

```

<210> 3153
<211> 374
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = A,T,C or G

```


<400> 3153

tacggctg	cg	agaagacgac	agaagggtag	ggctg	cgaga	agacgacaga	agggtacggc	60
tg	cgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cg	ggctg	120
aagacgacag	aagggtacgg	ctg	cgagaag	acgacagaag	ggtacggctg	cg	gagaagacg	180
acagaaggg	acggctg	cg	gaagacgaca	gaagggtag	gctg	cgagaa	gacgacagaa	240
gggtacggct	g	cgagaagac	gacagaagg	tacggctg	cg	agaagacgac	agaaggtgga	300
taactgtggt	aattctagag	ctaatacatg	ccgacggg	cg	ctgacccnct	tcg	cgggggg	360
gatgcgtgca	t	t	t	t	t	t	t	374

<210> 3154

<211> 375

<212> DNA

<213> Homo sapien

<400> 3154

tacggctg	cg	agaagacgac	agaagggtag	ggctg	cgaga	agacgacaga	agggtacggc	60
tg	cgagaaga	cgacagaagg	ggagtatgct	gggtg	gagaga	atgcaagagg	gaaacaatca	120
gcctg	cgag	ctaacagacc	agcttataca	gggcctgtgt	gtgaagtgg	agagttcgga		180
gttttctctg	aatttcaatg	agggagaagg	aaggtagcat	t	aaaggctat	taaccaataa		240
gacaccaaga	ttcaatttat	gttttagatc	attctggaag	tgctatgtag	agcaagttag			300
aggagagcca	gactagcagc	agagacttcc	cagcagagtt	gggaaagtgc	tacagtaatc			360
ttggtgagaa	atggt							375

<210> 3155

<211> 410

<212> DNA

<213> Homo sapien

<400> 3155

ggcacgaggc	tcacagaggc	agccacgagg	ctctacacca	agtattatat	aaaagccatt			60
aaatttgaat	gcccttggac	aagcttttct	t	aaaaaaaaa	aaaggtgaat	atacttg	tta	120
aaaattttta	t	aaaatcca	aattttttg	gtgaagcccc	aggcagcatg	tggggccatg		180
caccatttat	acttaatat	tggggagggg	aaaggggaat	tttcaaggta	tatatatttt			240
atccctg	cct	atatttagaa	atatgccttt	acctttaaca	aggctaaaat	tgctcggtgg		300
attattttcac	aaaatacgct	agggggaggc	agtaatacta	tgttaagcta	ttaatagatg			360
ctaaaagtct	ccaagcacag	ggcatatttt	atacggtct	tttcaaaatg				410

<210> 3156

<211> 376

<212> DNA

<213> Homo sapien

<400> 3156

tacggctg	cg	agaagacgac	agaagggtag	ggctg	cgaga	agacgacaga	agggtacggc	60
tg	cgagaaga	cgacagaagg	gtagtaagg	gaagctggaa	gactcagcca	gtctagc	ctt	120
tccacattcc	attagcagct	gattagatgg	gccacccag	actgagggtg	gtctac	ctcc		180
ccagtc	ccact	gactcaa	atg	ttaactc	ctt	tggcaacacc	ctcatataca	240
caatactttg	c	atccttcaa	tccaatcaag	ttgatactca	gtattaacat	ttcgaggcta		300
caccctagac	caaacctacg	ccaaaatcca	tttcaactatc	atattcatcg	gcgtaaatct			360
aactttcttc	ccacaa							376

<210> 3157
 <211> 411
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(411)
 <223> n = A,T,C or G

<400> 3157
 gcgttgggag ccaggtgtcg tgccggacgt gcttggagca ggggctgcag ggcgaggtgg 60
 tagccgttga ctaccaatcc aaaatgctgg ctttaaaatg tccctcttcc agtggaaagc 120
 ccaaccatgc agacatcttg ctcataaact tacagtatgt ttcagaagtg gaaataatta 180
 atgaccgaac agaaacccct cctcccctag cttcactcaa tgtagtaag cttgccagca 240
 aagcacggac agagaaggag gagaagctga gccaggccta tgcaatcagt gctggtgtct 300
 ctctagaggg ccagcagctc ttccagacca ttccacaagac cattaagac tgtaaatggc 360
 aagaaaaaaa catcgtagtc atgggagaag ttgttattac acccccatat n 411

<210> 3158
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 3158
 cggttgctgtc ggccgccgcc gccgcgttgg cctcgccgcc cctgctcgga caccatgcc 60
 caaggagagt gatctcttcc cctgttttca caatggagga ctccggaaag actttcagct 120
 ccgaggagga agaagctaac tattggaaaag atctggcgat gacctacaaa cagagggcag 180
 aaaatacgca agaggaactc cgagaattcc aggagggaag ccgagaatat gaagctgaat 240
 tggagacgca gctgcaacaa attgaaacca ggaacagaga cctcctgtcc gaaaataacc 300
 gccttcgcat ggagctggaa accatcaagg agaagtttga agtgcagcac tctgaaggct 360
 accggcagat ctcagccttg gagg 384

<210> 3159
 <211> 439
 <212> DNA
 <213> Homo sapien

<400> 3159
 ggggatccca tcgattcaat tccgacgagc cggcgagcag tccgctacgg tttctccagc 60
 ccttctttga gacggggacc aggggatggc agccatgcac ctgacagcct ggccccagga 120
 acctattgtt tcagaagtcg gtgaccttg aggacgtggc tgtgtacttc acccaggcgg 180
 aatgggatgg cctgtccctt gcacagagga cctgtacag ggatgtgat ctggagaatt 240
 atgggaatgt ggcctccctg ggatttccac ttctcaaacc tgctgtgatc tcacaactgg 300
 agggaggaag tgagctgggg ggctcatctc cactggctgc aggaacaggc ctccagggcc 360
 tccagactgt agatattcag actgacaatg atttgacaaa ggaaatgtat gaaggaaaag 420
 agaatgtatc atttgaacg 439

<210> 3160
 <211> 373
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(373)

<223> n = A,T,C or G

<400> 3160

tacggctgcg	agaagacgac	agaagggtac	ggctgcgaga	agacgacaga	agggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aagggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaagggg	actcctgctc	agcatggctg	ctttagggac	tgttctcttc	acaggtgtcc	240
ggaggctgca	ctgcagcgta	gccgcttggg	cgggcgccca	gtggcgacta	cagcagggac	300
tggctgccaa	ccccctcggc	tacggggccc	ttaccgagct	cccagactgg	gcatatgcgg	360
atggccgccc	tn					373

<210> 3161

<211> 369

<212> DNA

<213> Homo sapien

<400> 3161

tacggctgcg	agaagacgac	agaagggtac	ggctgcgagg	agacgactga	agggtacggc	60
tgcgagaaga	cgacagaagg	gtacggctgc	gagaagacga	cagaagggtta	cggctgcgag	120
aagacgacag	aagggtacgg	ctgcgagaag	acgacagaag	ggtacggctg	cgagaagacg	180
acagaagggg	acggctgcca	gaagacgaca	gaagggtacg	gctgcgagaa	gacgacagaa	240
gggtacgcct	gcgagcagac	gacagaaggg	ggagcctcat	ctgcaatgta	ggggccggcg	300
gacctgctcc	agcagctggt	gctgcaccag	caggaggtcc	tgccccctcc	actgctgctg	360
ctccagctg						369

<210> 3162

<211> 421

<212> DNA

<213> Homo sapien

<400> 3162

ggcacgagga	gagagagaga	gatctagttt	cgagagcagg	cttttttttt	tttttttttt	60
aacctcgga	aaaaattttt	ttgaaaaaac	cccccttaat	tggctactgg	gggatttaaat	120
tcccgggatt	tttgggacgc	ccttggttg	aaagggggaa	aagttaaat	ttatggaacc	180
aaacctgggg	cctattttgga	aaatcaggcc	cttggggcaa	aacagaaaaa	atcttttgcc	240
ccccaggatc	cgggattccc	tggggaaaaa	aaaatcaggg	aaaaaaaccc	cccccttcag	300
ggaaggtctt	tgtacaaaag	ggaaaggttt	aaaaaaaagg	gcgggggaaa	aaaaaacgga	360
ggagggacga	ggttttcagga	aaatgccagg	gaagggaagg	cccctggaaa	aaaccttttt	420
a						421

<210> 3163

<211> 398

<212> DNA

<213> Homo sapien

<220>

<223> n = A,T,C or G

<213> Homo sapien

<213> Homo sapien

<213> Homo sapien

[illegible]

```
<210> 3167
<211> 397
<212> DNA
<213> Homo sapien
```

```
<210> 3168
<211> 334
<212> DNA
<213> Homo sapien
```

[illegible]

```
<220>
<221> misc_feature
<222> (1)...(387)
<223> n = A,T,C or G
```

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<400> 3169
ggcacgaggg gccgtctccc aggagcagct gcgcaaaactg caggaacggg tggaaacgctg      60
tgccaaggag gccgagaaga caaaagctca gtatgagcag acgctggcag agctgcatcg      120
ctacactcca cgctacatgg aggacatgga acaggccttt gagacctgcc aggccgccga      180
```

```

gcgccagcgg cttcttttct tcaaggatat gctgctcacc ttacaccagc acctggacct 240
ttccagcagt gagaagttcc atgaactcca ccgtgacttg caccagggca ttgaggcagc 300
cagtgacgaa aaggatctgc gctggtggcg cagcaccacac gggccaggca tggccatgaa 360
ctggccacag ttcgaggagt ggtcctn 387

```

<210> 3170

<211> 408

<212> DNA

<213> Homo sapien

<400> 3170

```

ggcacgaggt ttgcttagct gtcaacaaaa agaaaacctg aaggagcatt tggaagtcaa 60
tttgagggtt ttttttttgt tttttttttt tgggaggggg gaacggcccc caaaaggggg 120
gggggggcaa aattttttaag aaaaaagaac cttcccgggt ttttttttaa gccacaagg 180
ggctgggttt ttccaccggg cgggtttaat tttaaaaaaa tttaaaaaaa caaaacaaag 240
gggggttttt ctaatttggg gaggaacccc cccttggtcc aaaagaaaaa ggcgttaaaa 300
aagaattcca aaaggaaaac cttggggggg gcccacgggg ccccggtgcc aataaacttt 360
tttctgggga acgggagggg gagaacctcc ccccccttcc caaggcgc 408

```

<210> 3171

<211> 405

<212> DNA

<213> Homo sapien

<400> 3171

```

attcgaattc cgttgctgtc ggttgttttg ttttgttttt agagacaggg tcttgctctg 60
tcaccagac tggagtacaa tgacacaatc atagctcact gcagccttta actactgggc 120
tcaagacatc ctctctgttc agcctccaga gagttgggac cataggtgca caccaccaca 180
cctagctaat ttttggggga ggtcttgcta tgttgcccag gctggtcttg aactcctggg 240
ctcatgcaat cctctgtcct tggcctccca aagcgctagg attagaggtg tgagccgctg 300
caccctgccc cagtacaatc ttttttgaac tcaaattttt gctgacatct gattgcacac 360
accacagtgt aaattatgcc ttatcagaat ctaaatagaa atagg 405

```

<210> 3172

<211> 400

<212> DNA

<213> Homo sapien

<400> 3172

```

cgttgctgtc gacgacctgc ttctgggtct gggtttcgta cgtagcagag cagctccctc 60
gctgcgatct attgaaagac agccctcgac acaaggggtt ggacactttt aagaaacaaa 120
gatagttttc tgaacattct gtgtcctgcc tgtctcctgt tgattcgag atgtaatatc 180
gagtattcat caactgggtc caatttcctg aacacattca ctgtatccct cattgtaacc 240
gttatcccc tgcttcaaaa tgtgccagtt ccacttggtg ataacggttg gaaaatgcag 300
gtttatgaat gatgtggact ttagaggat caaatcaata aattggattt tttatttttt 360
gagggcagct gccctcactt gtttaataaa agaactttac 400

```

<210> 3173

<211> 478

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(478)
 <223> n = A,T,C or G

<400> 3173
 gcaggaatcc ccacgcannt tcgaattccg ggcgctcgtc gagtccatta tatacantgt 60
 gacgtgccag cgtgatcata acttatgagt agcagacatt ggatagcagt attcttttcg 120
 tactaggggtg tggacataac ccgcactcta gtaatgcgat cgccttataa ctgctcctat 180
 tccgcagaga atattgtaga atgcgtatca gcggttatat tgttttctca taatatagcg 240
 agcaaacatt tctaggttag acaaccaacg aattgaatta caattttatg ttgaagaggc 300
 attattaaca tgtgtagagg gggttaagaaa gccaccttgt taaaaatttt ttaatttcca 360
 aaataatcta tattaaatga gggtttctga tctgtacttt gtgttttagct acctttttat 420
 atttaaaaaa ttaaaaaatga aaattacggt cttacaagct taaagcttga tttgatct 478

<210> 3174
 <211> 412
 <212> DNA
 <213> Homo sapien

<400> 3174
 atcgattcga attccggtgc tgcggtgga ttctcttcgc ctatcggtga ctgggctttc 60
 cctatgttgc ccaggtgctg ctacagactcc tgggctcaaa agatcctcat cttctcaagt 120
 ggctgaatat acacgctcca gcgacctgc ctggctgaat gaagagcttt gagattttga 180
 agaaacagga accatgaaat ttgctttgca actggttgca acctttaagg aagactgaaa 240
 aggcattcct gaagcatgtg ccttcagccg ctacaagagc agaagcagtg ggcattggat 300
 ggagctgagt acaggacct acaggctaatt tgcaccggca caggaatcgg atataacatt 360
 atctgggtac ccattggccag ctgtgacttc tccatccgca cctacaccta tg 412

<210> 3175
 <211> 171
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(171)
 <223> n = A,T,C or G

<400> 3175
 taacgcatga ngcatacaca cgggctgtgg actggtgggg gctgggtgtg ctgctctacg 60
 agatgctggg ggggtgagtgc ccgttcccag gggacacaga ggaagaggtg tttgactgca 120
 tcgcaacatg gacgccccct acccgggtt tctgtcggtg caagggcttg a 171

<210> 3176
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 3176

ggcacgagct	attgagtgct	attcagaata	ggaacaaggt	tctaatagaa	aaagatggca	60
at ttgaagta	gctataaaat	tagactaatc	tacattgctt	ttctcctgca	gagtctaata	120
ccttttatgc	tttgataatt	agcagtttgt	ctacttggtc	actaggaatg	aaactacatg	180
gtaataggct	taacaggtgt	aatagccac	ttactcctga	atctttaagc	at ttgtgcat	240
ttgaaaaatg	cttttcgcga	tcttcctgct	gggattacag	gcatgagcca	ctgtgcctga	300
cctcccatat	gtaaaagtgt	ctaaagggtt	ttttttgggt	ataaaaggaa	aatttttgct	360
taagtttgaa	ggataggtaa	aatt				384

<210> 3177

<211> 393

<212> DNA

<213> Homo sapien

<400> 3177

cg ttgctgtc	ggcaagatgc	tgctattgaa	gaggtagaga	tggaagattt	tgatgcaa	60
atcgaagaac	agaaagaaga	aaagaaagat	gccaggaag	aggaaagcga	actgggttac	120
attccgaaaa	gcaaatggga	gatggacaca	tctgaggcaa	agctagacaa	gttggatggc	180
ttgaggactg	gtactaaaag	gaaacgtgac	tgggaggcca	ttgccagcag	aatggaggat	240
tatcttcagc	tccccgatga	ttatgatact	cgtgcttctg	agcctgggaa	gaagagggtc	300
agatgggcag	acctggaaga	gaagaaggat	gcagatagga	aaagggccat	aggttttgtg	360
gtcggacaga	ctgattgtga	gaagatcaca	gat			393

<210> 3178

<211> 389

<212> DNA

<213> Homo sapien

<400> 3178

cg ttgctgtc	ggtttgagaa	ttccaggctt	ctgcagcctc	caaaagggtgt	tcttctctat	60
gggcctccag	gctgtggtaa	aacgttgatt	gccaggcca	cagccaaaga	agcaggctgt	120
cgatttatta	accttcagcc	ttcgacactg	accgataagt	ggtatggaga	atctcagaaa	180
ttggctgctg	ctgtcttctc	ccttgccata	aagctacaac	catccatcat	ctttatagat	240
gaaatagact	cctttctacg	aaaccgttca	agttctgacc	atgaagctac	agccatgatg	300
aaagctcagt	ttatgagtct	ctgggatgga	ttggatactg	atcacagctg	ccaggtcata	360
gtaatgggag	ctaccaatcg	tcctcagga				389

<210> 3179

<211> 426

<212> DNA

<213> Homo sapien

<400> 3179

ggcacgaggg	cggagggttc	agtgaaccga	gatcatgcc	ttgcactcca	gcctgggtga	60
cagagtgaga	ctctgtctca	aaaaaaaaa	aaaaaaaaa	ggggttccca	tattttgggg	120
ggtataggaa	tatatggggg	ggggtctatt	tcttttttta	tataaccttc	ccccgggat	180
ttttgggttt	aaaagttccg	gttaccacca	aaccaaaatg	ggttttttac	ctttggagtt	240
tttttttttg	tccccctttt	tccttcacaa	gggggaaagc	cccaaatac	cagggtcttt	300
aggagggggg	gtttagccaa	accacacca	gggcaaattt	ttggggggaa	acctgaaagg	360
gggaaaatat	ttggggccct	tgctttttgt	ccaaccatcc	tgaaaaaac	ccactttgtt	420
tttaaa						426


```
<210> 3183
<211> 389
<212> DNA
<213> Homo sapien
```

```

<400> 3183
ggcacgaggg aggatgtcct caacacccag tgtggctacc acgttcggct caaactggag      60
ctggagcagc agggcttcat ccacaccaa ggctgcgtgg gccaaacttga gaagaggctg      120
caggacaacc tgaatgtggg ggcgggagtc ttcattgggca tcgccctcct ccagatcttt      180
ggcatctgcc tggcccagaa ccttgggagt gacatcaagg cagtgaaagc caactggagc      240
aaatggaatg atgactatga aaaccactgt gttacgcccc ccatttgcca ggtcctgtcc      300
acggtggggc ctcaacagaa ctctctgact ggggccccctg gcccggaccc acccagacga      360
catgttttct ttggcctggg tggatatag                                     389

```

```

<210> 3184
<211> 451
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

```

```

<400> 3184
ngacatcctt tacggccant cgnntnttttn tgaggaaccc atgcgatgcg aattccgttg      60
ctgtcggaaa atcagaaaga gtttttattt tactagtgat ttacaagtat gccctggaca      120
gagtttcaaa acaagatgcc caggaaactct ttaaaaatta taccatcttt gagaagaagt      180
ttggtgatag gcggggtatt gaagatatca ttgtgagcaa acggagattc cagtacgaag      240
aagaagtgaa ggcgaatcca cacaattatg atgcatggtt tgattacttg cgcttggtag      300
aaagtgacgc agaagctgaa gccgtgagag aagtctatga aagggccatt gccaatgtcc      360
caccattcca ggagaagagg cactggaagc gctacattta tctttggatc aactatgcac      420
tctatgaaga attggaggca aaggatcctg a                                     451

```

```

<210> 3185
<211> 409
<212> DNA
<213> Homo sapien

```

```

<400> 3185
ggcacgagaa caaagccacc caaactgctt cttctgtcac agattcgttc ccacctgcac      60
aggagcgagc ctcaactggac gccggagccc gacacacctc tcgattactg ctatgtgcgg      120
ccaaatcaca tcccaatgat caactccatg tgtcaggagt ttttttggcc tggcattgac      180
ctgtctgagt gtctgcagta ccagacttc agtgatggtg ctctttataa aaaagtcac      240
attgcctttg gcttcatggc tcctgatgtg aaatacaatg aagcttacat ttcatttttg      300
ttcgtccacc ctgaatggag aagagcaggg attgcaactt tcatgatcta tcatctgatt      360
cagacctgca tgggcaagga cgtaaccctt cacgtatgac caagcaacg                                     409

```

```

<210> 3186
<211> 396
<212> DNA
<213> Homo sapien

```

```

<400> 3186
ggcacgaggt gactctaggt ataggagtgt ccaggccctg ctcacccagg ctagagctta      60

```

```

tggagccaga aggaaggagg tgcattgttg ggtgcaggac aggagggaaa aatactcgaa 120
ttgcaagggtg agggcacagt ctgtttatat tgggttgaat taactcttct cccgatgcc 180
ctaaagcagg aatcacactg cagatggcac tgatttgatt ggcaagagac atgccaggaa 240
gaatattaag ggaccaggcc cctataatta ggcctaata tagcctgttg tttgaaaagg 300
gcatgagggga cattcatccg gcctggcact gtgccctaga cctgctctcc tgggtagtgg 360
ggccctccat tgcaacagag gtgtgggtgg gcctgg 396

```

<210> 3187

<211> 412

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(412)

<223> n = A,T,C or G

<400> 3187

```

ggcacgaggg aggccgctgc cgtcgcgcgc cttggttttt ctgttccttt tttttttttt 60
tttttaaaac tcctggctaa aaccccccca cctttaacct caaaaaaat taattacaac 120
cggggccctt tggcccaaaa atggccttaa cccctaaaaa tggaaaattt ttgtcctaaa 180
gaaccccccc ccgggaaaaa aacggggggc cttttttttt gcaaaagggg tttaatccgg 240
accacttgtt tttttgcaag gccggcttgc gtttgcccat tggggaattg gggggaaatt 300
gcccttgtct tgtttggaag ggggggggtt atttccttgg gaaataaagg gtggtttctt 360
tttttataaa aaaaacttgt tggaaaacaa acctttttat attactttg an 412

```

<210> 3188

<211> 404

<212> DNA

<213> Homo sapien

<400> 3188

```

ggcacgagga gagagagcgc gagagagagc gcgtgaggca gagagagaga gagagcgaga 60
tggagagaga gagcccagaga gactgtgaga gagccagaga gtttgagcgt gcgcgagcga 120
gagagagaga gagagagatg gagcgatgga ctgtgacagc ctacaggagg aaaagcacgg 180
cttacagaag gatgtttcct tcttgaggaa gcagcactat tagcactctg agtcaagatg 240
agtgggaaac catctcaata aacacatttt ggataaaaaa aaaaaaaaaa aaaaccggct 300
ctcggccctt taaaactatg ggggggcctt ttccttttat ccgggggggg ggaaaccttt 360
gttgggttgg cccacccctt ttttaatggc cgggaaaaat agtt 404

```

<210> 3189

<211> 334

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(334)

<223> n = A,T,C or G

<400> 3189

```

tacggctgcg agaagacgac agaaggggac cagcaaaaga aggaggagct gctgaatgcc      60
atggtggcaa aactggggaa ccgggaggac ccactcccc aggactcctt tgaaggcgtg      120
gacgaggacg agtgggacta gctgcgccc ccgtcacctc cacctcacct gtgctgccac      180
ttcctagtgc acacctcacg gctcatcctc aagctggaag atacctctct ggccccggca      240
catgtcacc cctgcactcct gccttcccgt gggcacttcc acatcctctg ggctctggc      300
agttcccagg gactgttttc acctctgctg tctn                                     334

```

<210> 3190

<211> 393

<212> DNA

<213> Homo sapien

<400> 3190

```

ggcacgagaa aaagcagagt ctgctctact ggccatcatg cgtaaagggg tgctgaagga      60
cccagagatt gccgatctat tctacaaaaga tgatcctgag gaacttttta ttggtttgca      120
tgaaattgga catggaagtt ttggagcagt ttattttgct acaaatgctc acaccaatga      180
ggtggtggca attaagaaga tgcctatag tgggaagcag acccatgagt tggatgga      240
atattgctta ggctcagcct ctgatttatt agaagtcat aaaaaaccac ttcaggaagt      300
ggagatcgct gccattactc atggagcctt gcattgacta gcctacctac attctcatgc      360
attgattcat agggatatta aagcaggaaa tat                                     393

```

<210> 3191

<211> 385

<212> DNA

<213> Homo sapien

<400> 3191

```

ggcacgagga aagctagcag attcttggct tagtattact aataggcagg attgtacaat      60
gagcaactat cagattattc ctttcagtgg ttcttatggc atctaaatta ctgaataaat      120
tattaatcca ttaatcagtg aatcaaatta tgattacaat tatcaaata atgctcagca      180
ttaattgaaa actgttttgt gaaacatgct taccagaaa agtagcattc tataaatact      240
attaaacaac ttagctatat tatttttaag tattaaatta tatgtcaagc agctaaagtg      300
aatttcagag taaaagtaag gcatgtttct gagcaacatt gataatttct taatttgcaa      360
atttcttctt attttggtac ttgga                                     385

```

<210> 3192

<211> 397

<212> DNA

<213> Homo sapien

<400> 3192

```

cggcggcctc actgctatgg gccgcaacaa gaagaagaag cgagatggtg acgaccggcg      60
gccgaggctc gttcttagct tcgacgagga gaagaggcgg gactacctga caggcttcca      120
caagcggaag gtcgagcgaa agaaggcagc cattgaggag attaacgagc ggctgaaaga      180
ggagcagagg aagcttcggg aggagcgcca ccaggaatac ttgaagatgc tggcagagag      240
agaagaggct ctggaggagg cagatgagct ggaccggttg gtgacagcaa agacggagtc      300
ggtgcagtat gaccaccca accacacagt caccgtgacc accatcagtg acctggacct      360
ctcgggggccc cggctgctcg ggctgacccc acctgag                                     397

```

<210> 3193

<211> 395

<400> 3196
ggcagcagga gagagatatt gaacaaaatt ttgcgagcat agcggctcgc tatggaacac 60

```
<210> 3197
<211> 401
<212> DNA
<213> Homo sapien
```

```
<210> 3198
<211> 392
<212> DNA
<213> Homo sapien
```

<400> 3198						
tacggctgcg	agaagacgac	agaagggatt	tgaggataga	atccgaggca	ttgatatcat	60
taaatggatg	gagcgctacc	ttaaggataa	gaccgtgatg	ataatcgtag	caatcagccc	120
caaatacaaa	caggacgtgg	aaggcgctga	gtcgcanctg	gacgaggatg	agcatggctt	180
acatactaag	tacattcatc	gaatgatgca	gattgagttc	ataaaacaag	gaagcatgaa	240
tttcagattc	atccctgtgc	tcttcccaaa	tgctaagaag	gagcatgtgc	ccacctggct	300
tcagaacact	catgtctaca	gctggcccaa	gaataaaaaa	aacatcctgc	tgcggtctgt	360
gagagagqaa	qaqtatqtqq	ctcctccacq	qq			392

```
<220>
<221> misc_feature
<222> (1)...(134)
<223> n = A,T,C or G
```

```

nnnnnnnnnn cctnnccacc cacccttgaa aaagcacanc aaaacccac gctgctggcg      60
gagctgcggc tgctgaggca aaggaaggat gaactggagc agaggatgtc gggcctgcaa      120
aagagcagggc gggc                                           134

```

```

<210> 3200
<211> 393
<212> DNA
<213> Homo sapien

```

```

<400> 3200
ggcacgagcc ggaacacgct gtcctcgcgc ttccttcggg tggacatcga cgaatttgac      60
gagaacaaat ttgtggacga gcaggaggag gcggcggcgg cggcggcgga gccaggcccg      120
gacccgagcg aggtggacgg gtcctcgcgg caaggggaca tgcttcgggc attccatgca      180
gccttgcgga actctcccg tcaacaccaag aatcaagctg tgaaggagcg agcccagggc      240
gtggtgctga aagtgtcac aaacttcaag agcagtgaga ttgagcaggg tgtgcagtc      300
ctggacagaa acggcggtga cttgttaatg aagtacattt ataaaggctt tgagaagccc      360
acagaaaata gcagcgcagt gttactccag tgg                                           393

```

```

<210> 3201
<211> 452
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

```

```

<400> 3201
cgttgctgtc ggatgttcac caatgtcagc aagaactcaa cctgaattta aaggtggcat      60
tccatatact aacatcccc aggtcctctc aagtacttct gctgaaacaa atttatttgg      120
ctaggcacta agttgttttc cagtgaatag taactaaaga agcccctacc ttgctccatg      180
gattaattcc ttctgttcat tttccaactg cactaattgt gcatattact ctgcctaata      240
ttgtgcatgt tttcattgat ttccctctcc cggtctttgc ttctcttgaa actgttgccc      300
agtcacttct gctccaattc tcttctctcc taaatagtag nttattactg ccacatctcc      360
atgcatcagc aaaatggtgg tgacattttt ctgacctggc agaacagatt acttaaagct      420
atntcatttt caagcagact tgatgtgact tt                                           452

```

```

<210> 3202
<211> 403
<212> DNA
<213> Homo sapien

```

```

<400> 3202
ggcacgaggt ccttttttgg cgatgagtat caatacaaat ggattttgtg agtgactcat      60
gaagtgaaga atgcaccaga gtggatcaca agatggaatt tagccaaccc tagccttgc      120
tgtaaaaatt tttttttttt ttttaaaaat aactgcccg gtactgactt tgctggcttg      180
gaacatctct tttttttttt ttttttcttg actaaggctt ttgatgattc tgaattagaa      240
agacaaggca tatcttgctt gaagctttta tttttttaa aaagcctgtc ttcgggactg      300
aaacacaaaa tccgcaacat catccaagag tacggcctgg actaccgctt ggatcctctg      360
gtccagcttt tctgctcaaa cgagatctcc agaatatggg ctg                                           403

```

```
<400> 3206
ggcacgagag atggagagag cgttccagac agctctgtgg ttgctgcagc cggaagtcgt      60
cttcacctctg ggggatatct ttgatgaagg gaagtggagc acccctgagg cctggg'gcga      120
```


tgatgtggag	cggtttcaga	aaatgttcag	acacccaagt	catgtacagc	tgaaggtagt	180
tgctggaaac	catgacattg	gcttccatta	tgagatgaac	acatacaaag	tagaacgctt	240
tgagaaagtg	ttcagctctg	aaagactgtt	ttcttggaaa	ggcattaact	ttgtgatggt	300
caacagcgtg	gcgctgaacg	gggatggctg	tggcatctgc	tctgaaacag	aagcagagct	360
cattgaagtt	tctcacagac	tgaactgctc	ccgagagctg	ctgtggtgg		409

<210> 3207

<211> 390

<212> DNA

<213> Homo sapien

<400> 3207

ggcgcgacgt	ctgctctgac	acttttgatt	tggaggaata	tgacgacggc	gagaagcccc	60
tccatgttta	ctactgtttg	tgcggtcaga	tggtcctagc	gctggactgt	cagttataga	120
aattgcccac	gaggccccgg	gaccggtccc	gtgtgattga	tgctgccaaa	catgcccata	180
agttttgtaa	cacataagat	gaggagacta	tgtatctgtg	gagacctgaa	cgcattgaac	240
gacagtacag	gaagaaatgt	gcaacgtgtg	gactgccgct	cttctaccaa	ttccagccaa	300
agaatgctcc	tgttaccttc	attgaggatg	gagcagtaat	caagtttggc	cacggttttg	360
ggaaaacgaa	catatatact	cagaaacaaa				390

<210> 3208

<211> 350

<212> DNA

<213> Homo sapien

<400> 3208

tacggctgcg	agaagacgac	agaaggagac	aaaaagaaga	aagataagaa	gaaaaagaaa	60
ggagaaaagg	aagaaaaaga	gaaagagaag	aaaaaagagg	acctagcaaa	gccactgtta	120
aagctatgca	agaagctctg	gctaagctta	aagaggaaga	agaaagacag	aagagagaag	180
aggaagaacg	tataaaacgg	cttgaagaat	tagaagccaa	gcgtaaagaa	gaggaacgat	240
tggaacaaga	aaaaaagaga	aaggaaaagg	ccaaggaaga	aagaaagaaa	agaacgcttg	300
aaaaaaagaa	gggaaacttt	taactaaatc	ccagagagaa	gccagagcca		350

<210> 3209

<211> 341

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(341)

<223> n = A,T,C or G

<400> 3209

tactgctgcg	agaagacgac	agaagggaca	atacaatgga	aaaatgcata	gaaaaacagg	60
aaagattttg	tcaactaaaa	aaacaaagta	tgttgcttca	acagcaactg	gatgatgctc	120
gcaacaaagc	tgacaatcaa	gaaaaagcaa	tacttaatat	tcaagccaga	tgtgatgcta	180
gagtacaaaa	ccttcaagct	gagtgcagaa	agcaccgtct	tttactagaa	gaagacaata	240
aaatgttggt	caatgaactg	aatcattcga	aagaaaaaga	atgccaatat	gaaaaagaga	300
aagcagaaaag	agaagtagct	gtgagacagc	ttcaacaaaa	n		341

<210> 3210
 <211> 380
 <212> DNA
 <213> Homo sapien

<400> 3210
 ggcacgaggg aaggattaga agatattgac gaagaagggg atgaggatga aggtgaagaa 60
 gatgaagatg atgatgaagg ggaggaagga gaggaggatg aaggagaaga tgactaaata 120
 gaacactgat ggattccaac cttccttttt ttaaattttc tccagtcctt gggagcaagt 180
 tgcagtcttt ttttttttat tttttttccc ccctggggcc taaagcccct ggtttagggg 240
 gctttttttt ttaaccccgg ggtccacaat gattgggggg gaaaaccctt gggccaaata 300
 acgggggaaa agagggttcta cccctttttg gtcaaaggct tatttaatcc ctttcggggg 360
 ggaccaaacg gtgggggaaa 380

<210> 3211
 <211> 406
 <212> DNA
 <213> Homo sapien

<400> 3211
 atcggcacga gagcacagat cccaaacctt actgcaaact ttccatcata ctacaagaaa 60
 actgaactgt gggtttctta taagtggcat tttgggcttt ccctcttttt tgtaaagcaa 120
 tgtctgccta gtttattgtc cagttaactt tagtgacctt ttaaaagttg gcattgtaaa 180
 taaaacaact tgcaaaaaaa aaaaaaaaaa attggttttt gacctttaaa aatttagggg 240
 gggcgttttt ttaaaactcca accttaaaaa aaccttttga ggggttgggc caccaccaat 300
 ttaaaggggg ggaaaaaatg ggtttttttg ggaaaattgg ggggcttttg gttttttttg 360
 gacctttaaa aaccggcaaa acaaagttaa caacacccat ttgttt 406

<210> 3212
 <211> 391
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(391)
 <223> n = A,T,C or G

<400> 3212
 ggcacgagag gaaaggcaat tgctctcagc atgaccgggc cttggagcgg ttctatgaac 60
 aggtgggtcca ggctatccag cgccacatac actttgatgt tgtaaagtgc atcctgggtg 120
 ccagcccagg atttgtgagg gagcagttct gcgactacat gtttcaacaa gcagtgaaga 180
 ccgacaacaa actgctcctg gaaaaccggt ccaaatttct tcaggtagat gcctcctccg 240
 gacacaagta ctccctgaaa gaggcccttt gtgaccctac tgtgggctagc cgcctttcag 300
 acactaaagc tgctggggaa gtcaaagcct tggatgactt ctataaaatg ttacagcatg 360
 aaccggatcg agctttctat ggactcaagc n 391

<210> 3213
 <211> 388
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(388)
 <223> n = A,T,C or G

<400> 3213
 ccagtgcagg aattgttctg ccagttatth gtataggaac aaaagattgt taagagttac 60
 ctgggagagg agagatacac agttagggat actatggcat tgagtgttta ctgtgagcaa 120
 tgtctcacat tcctggttct ttcaaagaac tttttttata acttggctctg tttattttcta 180
 ggtgactcca tttggcctta cgctaaactt cctcacattc ttcacgggcg tggttgactt 240
 tatgcacctg gatcccaaga aagctggaac atattttctca aatcaggcag taagaaatgt 300
 tgagcctata ttttcttgat tccagttgtg gtccatttgc tgtccagtat cacagctagc 360
 tacagggagg tcctaggact gcatgcan 388

<210> 3214
 <211> 340
 <212> DNA
 <213> Homo sapien

<400> 3214
 tacggctgcg agaagacgac agaaggggat gggaagggtg ggaacagggg atgctggtga 60
 cataaccaga ggagaagctg aggagcccct cttacttggg acatccttcc ctttacagcg 120
 gctggatctc tgctctggtg gtgccgaagg gcaacacagc agtatacgcg ctcatgctgc 180
 tggccgccct gctcttcact ggcattgctg tgctaggaat tgctatgctg aaacgggtga 240
 gggctgtgtc gaagggtggg ccgggatggg gagatcatgg gtccccaggg gcgtgggtgg 300
 aacattcagg agcaactggc acaggtcagg ctgctggggt 340

<210> 3215
 <211> 369
 <212> DNA
 <213> Homo sapien

<400> 3215
 tacggctgcg agaagacgac agaagggggc aaaaaacagg gctgtataga agaacagtgc 60
 aaacgccgta caatcttgac aacttcaaac tcgtttcctt acgtgaagaa gaggattcct 120
 attaaactgtg aacagcagat taatttataa ccaattgatg ttgccactga tgaaataaaa 180
 gataaaactg cagagctgca aaagctttgc tcctctactg acgtggacat gattcagctc 240
 caacttaaat tgcagggctg tgtttctgtg cagggtcaatg ctgggtccatt agcatatgca 300
 agagctttct taaatgacag ccaagctagc aagtatccac ctaagaaagt gaggtagctg 360
 aaagacatg 369

<210> 3216
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 3216
 cgttgctgtc ggataaagat acaccatgct gacactaacc aagtgaaagt gggagtagct 60
 acattaatth cagactgaac agacttcaca gcaagaaaag ttattagggg tcaaagaaga 120
 gtattacaca atgataaaga ggctcagttct ccaaaaaaac atgtctttaa tgtgtatatt 180

cttaacaata	agcatcaaaa	tatctgagga	aaaaactgat	acaactgcaa	ggagaaatag	240
atgaatccac	tatttatagt	tgaagtcttc	agcactccta	tcagtaatgg	acagatgtag	300
caggcaaaaa	atcaccaagg	atatagctga	agtgaacagg	atcattaatc	aactaaatct	360
aagtatcatt	tatgtactac	taca				384

<210> 3217

<211> 387

<212> DNA

<213> Homo sapien

<400> 3217

cgttgctgtc	gcagatattt	caaaaaagtt	catgtctttt	tatctttgaa	atatctattt	60
atcaaaggcg	tgagccactg	cgctcggtcc	catctgcata	ctcttaccac	ctccaaattg	120
gacctagcag	ttccccatct	ctactccttc	caggaagcca	ggcccacaac	tcatacctggg	180
tttccctaca	taccacaacc	actccttgtc	tctagccagt	ctttgtctct	caagggttgg	240
ggttctgatt	tcctcttaca	gataggctca	ccttatcttc	caaggctcac	cttatcttcc	300
aaggccaagg	agaggtcaag	gactggatct	ggctttgcca	ggtggctgaa	aggacccgaa	360
ggagtaggat	gcataacctga	ggggctc				387

<210> 3218

<211> 383

<212> DNA

<213> Homo sapien

<400> 3218

cgttgctgtc	gggcggttgc	tggtcagtat	acagccaaga	tgctgcggaa	tctgctggct	60
cttcgtcaga	ttgggcagag	gacgataagc	actgcttccc	gcaggcattt	taaaaataaa	120
gttccggaga	agcaaaaact	gttccaggta	ctgaagtatt	ttataggaga	tgttacttgt	180
aattattaga	ttaccaaaag	gtaagagttg	ggataaacia	gtatgtgtat	aaattagatc	240
atatgacaat	ataaacatta	caaaaaaagt	caaggacatg	taccatagtg	ctaatagtgg	300
ttgtctcttg	gggaaagacc	tggtaggagca	gagcaattta	cctttataag	tagtttgatt	360
atgagtgatt	tttgttttat	tat				383

<210> 3219

<211> 412

<212> DNA

<213> Homo sapien

<400> 3219

ggcacgaggt	cacagacaaa	aacttcagct	caaggcattg	gatgtggttt	tgtttggacc	60
tctaacacgc	ccacctcata	actggatgaa	agattttatc	ctcacagttt	ctatagtaat	120
tggtgttgga	ggctgctggg	ttgcttatac	gcagaataag	acatcaaaag	aacatgttgc	180
aaaaatgatg	aaagatttag	agagcttaca	aactgcagag	caaagtctaa	tggacttaca	240
agagaggctt	gaaaaggcac	aggaagaaaa	cagaaatgtt	gctgtagaaa	agcaaaattt	300
agagcgcaaa	atgatggatg	aaatcaatta	tgcaaggag	gaggcttgct	ggctgagaga	360
gctaaggggag	ggagctgaat	gtgaattgag	tagacgtcag	tatgcagaac	ag	412

<210> 3220

<211> 133

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(133)
 <223> n = A,T,C or G

<400> 3220
 antnnnnnnnn cntgctgngg tggcggtcac tccctctgcc actatcccca gggaaggaaa 60
 ggctccgccca tttgggaaag tggtttctac gtcactggac accggttctg agcaatagtt 120
 agagaactcg ttc 133

<210> 3221
 <211> 170
 <212> DNA
 <213> Homo sapien

<400> 3221
 tgtcacgggg actgatcagg aagatatatt cctgcataac tcaatctgaa ccaaggattg 60
 tagtttagtt ttcctccttg ccttccttc tgtgtgaccg accccttggc caaaaaaac 120
 caaaaggcaa aaaacaaaag cctaccctgt tctggttttt tttcctcctt 170

<210> 3222
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 3222
 ctccggcacga gggacagtgg aggctgttat cttttgttga aagcactgca tgtaagagg 60
 gggcacagcc ctccctcccaa gggaaagtgt ctttgcataa aatgtatttt ttcacttttg 120
 gaggattcct tttgtataac ttcaataaag attgtaagca aaggttgagg ctttgatggg 180
 ttttttctta attattggct gaatctgcct tggagcactg cctggtttat atattaacct 240
 aaaggtttgt tctggccttc tgtactgac tggggctcctg atcctaattc ctatctggct 300
 aacgcggagg tgatcaagtg tgggtgtagg ccctttgttt ccaatgggtgc tatattctgg 360
 tttcaaacac ttcactgaac ccagctatct tgcaaacttt cagtgggtgct gccctg 417

<210> 3223
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 3223
 cgttgctgtc gccagggtgg aatcacaggg agttgaaact gtccacttgt gctgagtcag 60
 ttcctaggtg ggggccataa gaccagataa gccagtttac cagtctgggt gtctccagca 120
 ggtccttcag tatgcagggt ctgaaaaata cctcaaacac caatcttagg tttacaata 180
 gtaatgttat ctgtaggagc aagtggggga ggtagtgat attgtggcct ctggctacat 240
 gacttctgag ccataatttc taatctagt gctaatttgt tggttttaca aacgcagtct 300
 ggttcccaag caaggaggga gtttgtttca gggagagtct attaccgtct ttgtttggtt 360
 ttttgcgttg ctttggtttt tgagccaagg tctcgc 396

<210> 3224
 <211> 407

<212> DNA

<213> Homo sapien

<400> 3224

ggcacgagtt	gggtgggtac	ttgggtgagg	atccctgaag	gccttcaacc	cgagaaaaca	60
aacccaggtt	ggcgactgca	acaggaactt	ggagtggaga	ggaaaagcat	cagaaagagg	120
cagaccatcc	accaggcctt	tgagaaaggg	tagaattctg	gctggtagag	caggtgagat	180
gggacattcc	aaagaacagc	ctgagccaag	gcctcgtggt	agtaagaatc	tatcaagaat	240
tgaggaagaa	tgggtgtgga	gagggatgat	gaagagagag	agggcctgct	ggagagcata	300
gggtctggaa	caccaggctg	aggtcctgat	cagcttcaag	gagtatgcag	ggagctgggc	360
ttccagaaaa	tgaacacagc	agttctgcag	aggacgggag	gctggaa		407

<210> 3225

<211> 382

<212> DNA

<213> Homo sapien

<400> 3225

cgttgctgtc	ggcaggaccc	tgggctgggt	gccttttctt	gtcaggaggg	ccggagagcc	60
tggctggatc	gtcatggcaa	ccttgatgaa	gctgtggagg	agtgtgtgag	gaccaggcga	120
aggaaggtgc	aggagctcca	gtctctaggg	tttgggcctg	aggagggggtc	tctccaggca	180
ttgttccagc	acggaggtga	tgtgtcacgg	gccctgactg	agctacagcg	ccaacgccta	240
gagcccttcc	gccagcgcct	ctgggacagt	ggcctgagc	ccacccttc	ctgggatggg	300
ccagacaagc	agagcctggg	caggcggctt	ttggcagtct	acgcactccc	cagctggggc	360
cgggcagagc	tggcactgtc	ag				382

<210> 3226

<211> 427

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(427)

<223> n = A,T,C or G

<400> 3226

cgttgctgtc	ggcaaaagga	aatggcattc	tctcaaaagc	atgaattctc	aagaaatttg	60
aggaagaaga	tttggatgac	attttaagga	aaagattgaa	ggactcaagt	gaaataacctg	120
gtgctctgtg	gcatattatg	ctgggaaaga	tgttgacaag	ataagggaat	ttcttcaaaa	180
gatttcaaaa	gaacaaggcc	ttgaagttct	accagaacat	gatccaatac	gtgaccaaag	240
ttggtatgtg	aacaaaaagc	tccgtcaaag	gctgcttgaa	gaatatggag	tcagaacctg	300
tactcttatt	cagttccttg	gtgatgctat	tgttttgcca	gcgggagcac	ttcatcaggt	360
tcagaatttt	cacagctgta	ttcaggtaac	tgaagatttt	gtgtctccag	aacatcttgt	420
agagtcn						427

<210> 3227

<211> 398

<212> DNA

<213> Homo sapien

<400> 3227

cccgcctgca	cccaggtgaa	ataaacagcc	ttgttgctca	cacaaagcct	gtttggtggt	60
ctcttcacat	ggacacatga	gacacttggt	gccgaagacc	caggtcagtg	agactccttc	120
aggagaccag	tcccctgtcc	tcaccctcac	tccgtgagga	aatccaccta	tgaccttggg	180
tcctcagacc	aaccagccca	aggaacatct	caccgatttt	aaatcagatc	tacttggcctt	240
agctgctgaa	gactgatgct	gactgatccc	ctcagaagcc	cccagaccat	cacggacacc	300
aagctttggg	taactcttac	agtggaggga	aggcaggaat	gtcaggcctc	tgagcacagc	360
taagctgtca	tatcccctgt	gacctgcacg	aatacatc			398

<210> 3228

<211> 422

<212> DNA

<213> Homo sapien

<400> 3228

cacacatcct	ttttgcttac	aaatttccta	gcttgtgacc	attctccacc	atctcccccc	60
aagttttacc	attctctatt	tgtgccctac	aacggctcca	ccctttgaaa	taacgcctgg	120
tctaaatgtt	actttttcta	gtgggccttc	cttgattatc	catccactg	tgattccttt	180
tcctgcccat	agcctctccg	acaagccttg	cattctcatt	catatgacct	tgtttgccaa	240
gctacctgtg	ctgtctctgt	gtgttttaaa	ctattttact	gagccaccat	gcccagccaa	300
agatcatttt	tttatataga	cttcagccct	ttgtaaatat	tgtaactggg	gagtatagag	360
tacaaaaaaa	gtatagttaa	aacatttggt	ctacaaatta	acctttataa	atataattac	420
tg						422

<210> 3229

<211> 413

<212> DNA

<213> Homo sapien

<400> 3229

ggcacgaggc	agagtccatc	acttcgccag	gtggacatgc	tgtgggtgga	tgttcccggc	60
gtgtgccggg	cctgaatgga	caggggccac	ttcacagcat	gtcagggaaa	atcactgtca	120
cacaattcca	atggattttg	tgctcttttt	tttcaaaaag	agcacacaat	ccattggaac	180
tgagtgtctt	ttctgaaaaa	taaaaaatct	ttagcgtaaa	cctgaatttt	ttttcaatgt	240
atccccctgg	gaatgaatga	aattttgagc	tttttcttta	cgtaaaacta	aattttatacc	300
actgacggag	agaccctttt	tgaaagaagt	atggccaaaa	ccactttaat	gctgctgaca	360
atgctgtctt	atgtccattt	gtgcagccct	gacctgctaa	ggagcgaatc	ttt	413

<210> 3230

<211> 146

<212> DNA

<213> Homo sapien

<400> 3230

gcatcatttc	tatccaaata	aagccttatc	ttgacctgat	ctattaaaaac	ctgccacacc	60
cgccctttcc	tacctagatt	taatgagccc	aagtttttaa	aatggaagaa	atgactctgg	120
ggcaaagacc	cctaataaac	tagggg				146

<210> 3231

<211> 380

<212> DNA

<213> Homo sapien

<400> 3231

ggcacgaggc	taaacctggg	aacattttga	atgtgggact	aagagaggag	ggctagattg	60
ctctacaatg	ctgcagaagt	ttctacctgc	ctggctggga	ggtaggaggg	tctggtttgg	120
ggatgtggcc	ctgaggagag	gaccagtgtt	tggcagtggc	catgtattga	tctcccagtt	180
cttcctgtgg	caggtcccac	gtacctcgga	gatttatgtc	caccgaagtg	gtcgaactgc	240
tcgagctacc	aatgaaggcc	tcagtctgat	gctcattggg	cctgaggatg	tgatcaactt	300
taagaagatt	tacaaaacgc	tcaagaaaga	tgaggatatc	ccactgttcc	ccgtgcagac	360
aaaatacatg	gatgtggtcg					380

<210> 3232

<211> 182

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(182)

<223> n = A,T,C or G

<400> 3232

agaacaagtg	cttataggtt	tgccaccatt	gtgacagcag	ttggcttctc	caagggcctc	60
tgatggaat	gtgccacaca	cagcacaggc	atcaccaggt	gtgacatcta	tagcaccctt	120
ctgggcctgc	ccgcttgcat	ccaggctgcc	caggccatga	tggtgacatc	cagtgcgaac	180
tn						182

<210> 3233

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 3233

ggcacgaggg	ataaggcagc	tgctgcatca	tgggcactac	aagccaaatc	atatgagaag	60
gcggcggttg	caggcaagaa	gcctgtgctc	gtcccccgcg	gagtggccag	gctacggcgg	120
gcgcgggaag	ggggcgcaact	cctcgctttt	cctcaatgtg	tggggcagcc	ccgcctcccc	180
gctcggtttc	cgggagtcgg	cggcgatggc	gtcatcaccg	agtgccgggc	cgacagcagc	240
ccggaggttg	gctatgtgac	caggcaacat	gctgagccgg	cttcaggaac	tgcgcaagga	300
ggaggagacg	ctgctgcggg	tgaaggcagc	cctgcacgac	cagctgaacc	gcctcaaggt	360
tgaagaatta	gccctccaat	caatgatcag	ttctan			396

<210> 3234

<211> 342

<212> DNA

<213> Homo sapien

<400> 3234
 tacggctgcg agaagacgac agaaggggtgt agtcccagcc acttgggtgg ctgaggtggg 60
 aggattgctt gagttgagggc tggaagcttg aggcggcagc aagaagtgat cacactactg 120
 cactcttgcc tgaatgacag agcaagaccc tgtctaaaaa aaattttttt ttaagttggc 180
 tggcgtggtg gctcacaccc ataatcctat cacttttagga ggtcgaggtg gatgggtcac 240
 ttgaggtcag gaattcaaga ccagactggg ccgggcgcag tggctcacgc ctgtaatcct 300
 aacacttttg gaggccgagg caggcgaatc acgaggtcag gg 342

<210> 3235

<211> 377

<212> DNA

<213> Homo sapien

<400> 3235
 ggcacgaggc caccaacacc atttgtcttt ataatggacc tcaaggccta cgaacaggtg 60
 atgcactacc ccggctacgg atcccccatt cctggcagga tggccatggg cccggtcacg 120
 aacaaatcgg gcctggacgc ctgcgccctg gacgcagata ccttctacta ccacgggggtg 180
 gactcccggg ccattatgaa ctctctttaa gaatacgacg gcttaaggac cggctaacta 240
 tttcaccccg gatcgaggac aagtgaaga gcaagagggg gtcgagactt tggggagaca 300
 gtgctgcaca tacacaaggg ataataaata cataacaccc tcaaccgaac acccccaata 360
 cagaagactt attcacc 377

<210> 3236

<211> 390

<212> DNA

<213> Homo sapien

<400> 3236
 cgttgctgtc gctcctcccg cctgaggtga gtctgggctc agcctagagc tctccggcgg 60
 cggcgacgct tcagggcagc gcgggctgca gcggcgcgcg cggttagggc tgtgtagggc 120
 gaggcctccc ccttctctct cgccatccta ctctctctc ctgctcctc tcccccttcg 180
 tctctctcgc cttctctctc ctgctcaggc tcgaccacgc tgtgagcggc aagatggcgg 240
 cgcccaggcc gccgcctgcc aggtgtgcgg gcgtcatggt gccggcgccc atccaagacc 300
 tggaggccct gcgcgcgctc acggcgctct tcaaagagca gcggaaccga gaaacagcac 360
 ccaggactat cttccaaaga gtcttgata 390

<210> 3237

<211> 347

<212> DNA

<213> Homo sapien

<400> 3237
 tacggctgcg agaagacgac agaaggggat agaaaatcag taaagaaaca tgctacttaa 60
 tctgcactat agagcaaag catctaacag atatttacag aacatttcat ccaacagctg 120
 caaaatacac attctttttc tcaacacatg gatcattctc cagggtagac catatattag 180
 atcacaaaac aagtctaaca acattcaata aattgaaata atatcaagca tcttctctga 240
 ccacaatgga ataaaactag aaatcaataa tgaggaattt tggaaactat acaaatacat 300
 ggaaattaaa ctatatgctc ctgaatggcc agtgggtcaa tgaagaa 347

<210> 3238

<211> 139

<212> DNA
<213> Homo sapien

<400> 3238
gtctgagtca gagatctgtg cacactttct aaacagcttg tgatgcaagt gtgagcctat 60
tgtgttactt gaccttattt tggaagtttt gaattggcct aggaggaaac cctagaatga 120
accaggggta tgatcatcac 139

<210> 3239
<211> 399
<212> DNA
<213> Homo sapien

<400> 3239
ggcacgagga tctggcacac tcaggctcat tggcaggtac aagaagggga ataaaggggc 60
tgtgtgaagg cactgctggg agccattaga acacagatac aagagaagcc aggaggtcta 120
tgatggtgac gattttttaa atcaggaaat aaaagatctt gactctaaaa gaaaaaaaaa 180
aagaacgcgt cctagggctg gatggactaa tcagggtggaa tttctaaaat cccactttgg 240
cagaccctct tgtcttgaat ctggcttttc acaacatgga gggggagaaa aagaagcttc 300
tttctctgaa aagagggggg tttttgtttt tttagaaaac taggaggggg gggagcataa 360
tggtcaaca gaagagtttt ttctttttat gttcctgtg 399

<210> 3240
<211> 387
<212> DNA
<213> Homo sapien

<400> 3240
gcaagaagcc ccctgacccc ttgttcctaaa tatactcttt tgtctttctc tttattccca 60
cgttcgccct ttgttcagtc caatacaggg ttgtggggcc cttaacagtg ccatattaat 120
tggatatcatt atttctgttg tttttgtttt tgtttttgtt tttgtttttg agacagagtc 180
tactctgtc acccaggctg cagttcactg gtgtgatctc agctcactgc aacctctgcc 240
tcccagggttc aagcacttct cgtacctcag actcccgaat agctgggatt acagacagggc 300
accaccacac ccagctaatt tttgtatttt ttgtagagac ggggtttcgc caagttgacc 360
agcccagttt caaactcctg acctcag 387

<210> 3241
<211> 160
<212> DNA
<213> Homo sapien

<400> 3241
ccctctagag gagcctgata tgcatttcga taaaccccga tcaacctcac cacctcttgc 60
tcagcctata ttccgccatc ttcagcatac cctgatgaag gctacaaagt aagcgcaagt 120
accacgtaa agacgttagg ttcaggtgta tcctatgatg 160

<210> 3242
<211> 379
<212> DNA
<213> Homo sapien

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<400> 3242
ggcacgagat cagccagccc ctgcagaaca gcttcatcca cacagggcat ggcgacagtg      60
acccccgcca ctgctggggc ttccccggaca ggattgacga actgtatctg ggaaacccca      120
tggaaccccc cgacctcctg agcgagaact actggtggcg tggccagaac acacggacgc      180
tgtgtgtggg gcccttcctt cgcaacgtgg tgacctccgt ggccggcctg tcggcccagg      240
acatcagcca gcccttgcca cagaggggct gccctggcga tgggccagag gcggggccggc      300
cagcagacaa gatccagatg ctgcaggcca tggtgcatgg ggtgaccaca gaggagtgcc      360
aggcggccct gcagtgcct                                     379

```

```

<210> 3243
<211> 462
<212> DNA
<213> Homo sapien

```

```

<400> 3243
gcggtgctgt cgcttcaaga gcgttctgat gcccacatgac ctcatcactc agctgtggcg      60
ggggctggcc atcgagacca agcacgagaa ggcgatggcg cagcccgacc ccacggagct      120
ggcgctgagc gggctggagg ccttctcttt cgactacatc ggcaagtggc ccctttcgtc      180
catcatcaac aggtgcgggt cggtgctcgc ggcacctgcc agatcttcac tcaggtttgg      240
cagaagcgag aactgtgcca cgcggtggcc acctcgctgc acagaggacc caaggcggct      300
ctccccagcc ttcagagtcc gggagattca cgggctgtcc gggggccacg gcgcggactg      360
tggagtacag acgccgtgta cacgacgccg tcggtcacgg agggccacct gaggtgccgc      420
cacgtgtctg gcaggaaagc cctcactcgc taccagatgc tg                                     462

```

```

<210> 3244
<211> 392
<212> DNA
<213> Homo sapien

```

```

<400> 3244
cgctgctgtc gctatctctg tgccttcttc atctcctgca caaatggagg gagctcctaa      60
gaactagtaa acgtctgagt gccagcacta tgctgaatgc tttacgtgtt tcccatttaa      120
ttatggcaaa cttgggagac aaggcaagtg ttctcacaga tgaaagacac tgatgtacaa      180
agataagtaa cttacccaac atcacagtca accaggattt gaaccagat agtccacttc      240
tcccaaaatt tcattttctc accttggttc cgatactcaa aaagacgggg atcagcatga      300
atgggaatga gcccagacg gtgagcaaga atctcatcct gaacaatgga tgtattattg      360
tacaccagga ctttctccac agccatagtt gg                                     392

```

```

<210> 3245
<211> 144
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(144)
<223> n = A,T,C or G

```

```

<400> 3245
atatgcannt cttctccacc taggaccgcc agcagagcgg ggggatctcc ctgccccac      60
ccagttccc caaccactc ccttccaaca acaaccagct ccaactgact ctggtcttgg      120

```

aggtgagggt tcccaaccac ggaa

144

<210> 3246

<211> 433

<212> DNA

<213> Homo sapien

<400> 3246

ggcacgagag	ccctcgataa	gttttccact	gaatacacaa	tgtagtctgg	ctcacagaat	60
ctgcattttt	acataaatga	taggggagag	gaagcaatca	gatactcatt	tgtctcaagt	120
gaacctcaag	ggatgacttt	gaatagaatg	agaggcagat	ttccccctaa	cagttcccag	180
gttgactttt	cccttttagct	tagagatttt	ggggtcccaa	tatttgtttt	catttcacac	240
ccatcttctg	cacccccatg	actcacaaga	gtcctcacac	ctggcctacg	ttcaactctc	300
cacggctctt	gccagaaggc	tgcacgtaca	acacacacag	aggcgggcat	ttccctgacc	360
actcctgtgt	gccgaggggg	aacggtagat	ggcccaaccc	ccagtgggtc	gaactttctg	420
gccaaacata	ttg					433

<210> 3247

<211> 232

<212> DNA

<213> Homo sapien

<400> 3247

ctccccctta	cttcaccaac	cacaggattc	agtgtatgtc	acatgctcag	gcggagggtg	60
ggaaacgtta	cttccaactg	ggaaactttt	tgggggaaat	taactggaca	cctatctcgg	120
aggtttattt	tcttgcaacc	agtgaagtcg	tctcctccc	ttccctggat	aactcttcag	180
tttgactgtc	actgttctgg	tgtcaactcc	agcgtcggca	caggcagaag	gg	232

<210> 3248

<211> 427

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(427)

<223> n = A,T,C or G

<400> 3248

ggcacgaggg	cggagccaag	cgccgccatg	tccgccgccc	tgctgcggcg	gggcctggag	60
ctgctggcgg	cgtccgaggc	ccccggggac	cctccaggtc	aggccaagcc	gagaggggct	120
ccggtgaaac	ggccccggaa	gacgaaggca	attcaggccc	agaaactgcg	gaactcggcc	180
aagggaaaag	tgcccaagtc	ggcactggac	gagtaccgga	agcgagagtg	tcgagaccac	240
ctcagagtaa	acctgaagtt	tctgaccagg	acgagaagca	ccgtggctga	gtctgtgagc	300
cagcagattt	tgcgccagaa	ccggggccgc	aaggcctgtg	accggcttgg	gccaaaacca	360
aaagaagaan	gctgagggca	cgtggtcacc	gaggaagatt	ccagaaggtc	agcacgaata	420
cttttgg						427

<210> 3249

<211> 401

<212> DNA

<213> Homo sapien

<400> 3249

```

ggcacgagct gcggcggggc ctggagctgc tggcggcgctc cgaggccccc cgggaccctc      60
caggtcaggg caagccgaga ggggctccgg tgaacaggcc ccggaagacg aaggcaattc      120
aggcccagaa actgcggaac tcggccaagg gaaaggtgcc caagtcggca ctggacgagt      180
accggaagcg agagtgtcga gaccacctca gagtaaacct gaagtttctg accaggacga      240
gaagcaccgt ggctgagctc gtgagccagc agattttgcg ccagaaccgg ggccgcaagg      300
cctgtgaccg gcctgtggcc aagaccaaga agaagaaggc tgagggcacc gtgttcaccg      360
aggaagactt ccagaagttc cagcaggaat acttcggcag c                                401

```

<210> 3250

<211> 145

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(145)

<223> n = A,T,C or G

<400> 3250

```

atagcncatc catcctggag tacctcaccg cagaggtact tgaactggca ggaaatgcat      60
caaaagactt aaaggtagag cgtattaccc ctcgatatctt gcaacttgct attcgtggag      120
atgaagaatt ggattctctc atcag                                145

```

<210> 3251

<211> 388

<212> DNA

<213> Homo sapien

<400> 3251

```

cgttgctgtc gggacagtgg ccgcaccaga caacctgccc aactacgaga acaccgtggt      60
cttctctctg tccagcttcc agtacctcat cctggctgca gctgtgtcca agggggcgcc      120
cttccgcgcg ccgctctaca ccaatgtgcc ctctcctggtg gccctggcgc tctgagctc      180
cgtcctgggt ggccttgctc tggccccgg cctcctgcag gggccgctgg cgctgaggaa      240
catcactgac accggcttca agctgctgct gctgggtctg gtcaccctca acttcgtggg      300
ggccttcatg ctggagagcg tgctagacca gtgcctcccc gcctgacctgc gccgctccg      360
gccaagcggg gcctccaaga agcgcttc                                388

```

<210> 3252

<211> 380

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(380)

<223> n = A,T,C or G

<400> 3252

tacggctgcg	agaagacgac	agaagggaca	gtaagacatc	agaaagtata	tgtgagatca	60
ataataattc	cgaacatgga	gccaaactaa	ctcagcaaca	agacattaga	aaggacagta	120
agacatcaga	aagtatatgt	gagatcaata	ataattccaa	acatggagcc	aaaaacatgt	180
ttgctatatc	taaacaagga	agtaatttgg	tacaatcaaa	gcatttgaat	ccaggcagca	240
tttcagtgca	gacatctttg	acaaatagct	cacaaataga	taagccaatg	aagatggaga	300
aaggggaaat	gtatggaaat	tctccaagat	ttttaggtgc	cacaaatttg	actatgtatt	360
ctaagatctc	anactgtcag					380

<210> 3253

<211> 154

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(154)

<223> n = A,T,C or G

<400> 3253

aatgtttnc	aacatccang	ctgtgtccct	caagatccag	acactcaagt	ccaacaactc	60
gatggcacia	gccatgaagg	gtgtcaccaa	ggccatgggc	accatgaaca	gacagctgaa	120
ggtgccaga	tccaaaagat	catgatggag	tttg			154

<210> 3254

<211> 460

<212> DNA

<213> Homo sapien

<400> 3254

cgttgctgct	gcttcaagat	cgacctgatg	ccccatgacc	tcatactca	gctcttgctc	60
gtcctggcca	tcgagaccaa	gcaggagaag	gcgatggcgc	acgccgaccc	cacggagctg	120
gcgctgagcg	gcctggaggc	cttctctttc	gactacatcg	tcaagtggcc	cctttcgctc	180
atcatcaaca	ggtgcgggtc	ggctgctcgg	gcacctgcca	gatcttcaat	cagggttggc	240
agaagcgaga	actgtgccac	gcggtggcca	cctcgtccca	cagaggaccc	aaggcggctc	300
tccccagcct	tcagtgtccg	ggagattcac	gggctgtccg	ggggccacgg	tgcggactgt	360
ggagtacaga	cgccgtgtcc	acgacgccgc	cggtcacgga	ggcccacctg	aggtgccgcc	420
acgtctcttg	caggaaagcc	ctcactcgct	accagatgct			460

<210> 3255

<211> 382

<212> DNA

<213> Homo sapien

<400> 3255

cgttgctgct	gaacagatcc	atttgttcag	gagtttcaat	ttaaagtctg	ggatgaaatg	60
gctcatgtaa	ctggacgcgt	acttccagca	cctatgctcc	agtatggagg	acggaatcgg	120
acagtagcaa	caccgagcca	tggagtatgg	gacatgcgag	ggaaacaatt	ccacacagga	180
gttgaaatca	aatgtggggc	tatcgcttgt	tttgccacac	agaggcagtg	cagagaagaa	240
atattgaagg	gtttcacaga	ccagctgcgt	aagatttcta	aggatgcagg	gatgcccatc	300
cagggccagc	catgcttctg	caaatatgca	cagggggcag	acagcgtaga	gcccatgttc	360
cggcatctca	agaacacata	tg				382

<210> 3256
 <211> 431
 <212> DNA
 <213> Homo sapien

<400> 3256
 ggcacgagat ggtgacaagg ctggagttgc tttgggaact gcactgacac ctcaattgga 60
 gaattaagtg tctcaagctg tccttccctc cttaattttc ctggaatttt gctgagcatt 120
 ttaccttctc attctttgta aattttctcat taaacattct aggaagagag atagctccct 180
 acctctggag gttgggggta cggggatagg taggggtct gttgggtttt tgcagataag 240
 tggttatttt tccttgggca ggtgccaaact atggctgtgg agaaggtcct ggtgtacaat 300
 aatacatcca ttgttcagga tgagattctt gtcaccgtc tggggctcat tcccattcat 360
 gctgatcccc gtctttttga gtatcggaac caaggtgaga aaatgaaatt ttgggagaag 420
 tggactatct g 431

<210> 3257
 <211> 424
 <212> DNA
 <213> Homo sapien

<400> 3257
 ggcacgagat ggtgacaagg ctggagttgc tttgggaact gcactgacac ctcaattgga 60
 gaattaagtg tctcaagctg gccttccctc cttaattttc ctggaatttt gctgagcatt 120
 ttaccttctc attctttgta aattttctcat taaacattct aggaagagag atagctccct 180
 acctctggag gttgggggta cggggatagg taggggtct gttgggtttt tgcagataag 240
 tggttatttt tccttgggca ggtgccaaact atggctgtgg agaaggtcct ggtgtacaat 300
 aatacatcca ttgttcagga tgagattctt gtcaccgtc tggggctcat tcccattcat 360
 gctgatcccc gtctttttga gtatcggaac caaggtgaga aaatgaattt ttgtgagaag 420
 tggc 424

<210> 3258
 <211> 399
 <212> DNA
 <213> Homo sapien

<400> 3258
 cgttgctgtc ggattcaggc gtgtatacca gccggagcgg cgcggcagcg gcaggaccgc 60
 cgtggcgccct atagtagcga cccgggggga gcgcggggcg acgctggctg cagggacccg 120
 gtgacagcgt gagaggact aggttttgac aagcttgcct catgcgtgag tataagctag 180
 tcgttcttgg ctcaaggaggc gttggaaagt ctgctttgga gcaatttaca gcaatgaggg 240
 atttatacat gaaaaatgga caaggatttg cattagttta ttccatcaca gcacagtcca 300
 catttatcga ttacgagac ctgagagAAC agattcttcg agttaaagac actgatgatg 360
 ttccactgat tcttggctgc aataagtgtg atttgtaag 399

<210> 3259
 <211> 344
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(344)

<223> n = A,T,C or G

<400> 3259

tacggctgct	agaagacgac	agaaggggtg	tcagtattaa	gatcactaaa	gtggttctta	60
gcaaaggttg	gaggtgtctt	gagtgcactg	tgtgtgaggc	ctgtgggaag	gcaactgacc	120
caggaagact	cctgctgtgt	gatgactgtg	acataagtta	tcacacctac	tgcttagacc	180
ctccattgca	gacagttccc	aaaggaggct	ggaagtgcaa	atgggtgtgt	tggtgcagac	240
actgtggagc	aacatctgca	ggtctaagat	gtgaatggca	gaacaattac	acacagtgcg	300
ctccttgtgc	aagcttatct	tcctgtccag	tctgctatcg	aaan		344

<210> 3260

<211> 423

<212> DNA

<213> Homo sapien

<400> 3260

ggcacgaggg	ggagtattcc	aggaagaggg	cactgcctat	gtgatgacct	caaggcactg	60
catagcttgg	catatcttga	ttacataagg	aaggcacagg	agccttctaa	tatctattcc	120
attactatgc	taagcgaggt	ctaataactg	gaaacagttg	tatgagctgc	agacatgcag	180
gcactgccgt	gtacttttgt	ccgcacatat	atatctatgt	gcctagctct	tggtcctgac	240
acacatgttt	ctatatacac	atacacatac	atgcatatac	caacagattt	aatattatat	300
tgcatctttc	aacgatgcag	aatgcagctg	caattgtgtt	ttaaggagaa	gccacatggg	360
gatggttgtc	cctgcaacat	ggtgccactc	ctgggccatg	tgcagcctca	gtggacactc	420
ttg						423

<210> 3261

<211> 382

<212> DNA

<213> Homo sapien

<400> 3261

ggcacgaggg	agtctctatc	cttttctaaa	atcgcatctt	gtaagaaaag	aaagaaaaaa	60
aaaaaaagga	atggtccccc	cccacctccg	gatttaaaaa	aaaccctcgg	aatttttaat	120
aaacattttt	aaccacggg	gatttttttt	ttaaccgggc	ctttgggatt	ccaaagttaa	180
aaaggtaaaa	agaaaaggct	aacttttcct	tttttttggg	ggggggggcc	cctgccaaaa	240
atgtatttac	tttggtcag	gggctttatt	ggagggccct	ggccaccctt	tggaatggct	300
gcccacagta	aaactttccc	agaaaaattt	cgtaacgggc	cccagccctt	tcataacccc	360
ggtttttttt	gaccttgaaa	aa				382

<210> 3262

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 3262


```

cgttgctgtc ggcgacccgc cgggggatgct ggggtgctcaa cgcgctgcc cctggggccc 60
aacgcgttga cctcgcggtc aggttgcttc cgcggactac ggatctggct cgctagctct 120
ggaagggagc accgggaggg aatgggtggc actcccaagg aggggaccca gggatccgag 180
aaaggaagac ttgggactgt ggtacagacc tccatgagcc ggtcccaggt agccctgctg 240
ggcctgagtc tgctgctcat gctcctactg tatgtggggc tgccaggccc ccctgagcag 300
acttcctgcc tctggggaga ccccaatgtc acagacctgg ctggactcac ccctggcgac 360
tcgcccctct tttaccgcga n 381

```

<210> 3263

<211> 336

<212> DNA

<213> Homo sapien

<400> 3263

```

tacggctgcg agaagacgac agaagggaat gatgatgaac cacatacttc taaaagagat 60
gaagttgatc gagctgtgat attgtttaaa ccaatgggat cagagccaat tcatatacac 120
aggaagtctc cacttccaag atctaggaag acggctacaa atgatgttgt atctgaaaat 180
gctaattacc tgagaacacc aagaactctt gtggaacaga agcagaatcc tactgtaggc 240
tttgaattgt attccatggg gccatctatt tgtcctctag aaactcttca taatgcctta 300
tctttaaagc aagtggatga atttcttgc tccatt 336

```

<210> 3264

<211> 455

<212> DNA

<213> Homo sapien

<400> 3264

```

tgcaggatcc cagcgactcg aattccgttg ctgtcgaggg gctcccagtc ctttcttctg 60
ggaggccaag gcggttcgc gttctgagaa tagacagaac ctctgttact ctgtgaccgg 120
caggcaccgg gagatccgta gctcagacgc caggacatcc cggaagctgg gaaatggtga 180
atgtgccagg gactgttgac attcagggat gtggccatag aattctctcg gggggagtgg 240
gaacacctgg actcacatca aaagctttta tatggggatg tgatgttaga gaactacgga 300
aacctgggtc ctctgggtct cgctgtctct aagccggacc tgatcacctt tttggagcaa 360
aggaaagagc cctggaatgt gaagagtgc gagacagtag ccatccagcc agctcctgaa 420
gagcaccatt ctgcctaata tttctatgag tttgg 455

```

<210> 3265

<211> 165

<212> DNA

<213> Homo sapien

<400> 3265

```

tggtgcagga tgcacagcag gaggatttcg gaatcttcca ggccctgggcc gaggccactg 60
gtgcatatgt tcccgggagg gataagccag acctgccaac ctggaagagg aatttccgct 120
ctgccctcaa ccgcaaagaa gggttgcgtt tagcaaagga ccggt 165

```

<210> 3266

<211> 148

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(148)

<223> n = A,T,C or G

<400> 3266

```

aggcacgctt tcagggttttt attatggcag ccactaacag gccagatata attgaccctg      60
caatcctgcg cccggggccgc ctggacaaaa cactgtttgt ggggtttaccg cccctgcag      120
atcgcttgc catcttaaaa actatcan                                           148

```

<210> 3267

<211> 386

<212> DNA

<213> Homo sapien

<400> 3267

```

cgttgctgtc gggccaccct gaagacctat ggacgacatc gagactgtcc ttcagctctt      60
ccggcttggc aacatcaatg ccaaagccag ccaggcagga cagacggccc tgatgctggc      120
cgtcagccac gggcggttgg acgttgtcaa agccctgctg gcctgtgagg cagatgtcaa      180
cgtgcaagat gatgacggct ccacggccct catgtgcgcc tgtgagcacg gccacaagga      240
gatcgcgggg ctgctgctgg ccgtgcccag ctgtgacatc tcactcacag atcgcgatgg      300
gagcacagct ctgatggtgg ccttggacgc agggcagagt gagattgcgt ccatgctgta      360
ttcccgcgatg aacatcaagt gctcgt                                           386

```

<210> 3268

<211> 424

<212> DNA

<213> Homo sapien

<400> 3268

```

ggcacgaggc agaccctcca cctcctgtt tacatcccag agtccgggca gaatcagctg      60
ttacagcccc ttaagccatc tccctccagt gacaacctct attcagcctt caccagtgat      120
ggtgccattt cagtaccaag cctttctgct ccagggtcaag gaaccagcag cacaaacact      180
gttggggcaa cagtgaacag ccaagccgcc caagctcagc ctccctgccat gacgtccagc      240
aggaagggca cattcacaga tgacttgac aagttggtag acaattgggc ccgagatgcc      300
atgaatctct caggcaggag aggaagcaaa gggcacatga attatgaggg cctgggaatg      360
gcaaggaagt tctctgcacc tgggcaactg tgcattctca tgacctcgaa cctgggtggc      420
tctg                                           424

```

<210> 3269

<211> 410

<212> DNA

<213> Homo sapien

<400> 3269

```

cgttgctgtc gcacagatgc ccgcttacca ggagctggtg gaggaggcga ttgcctatgg      60
ccggaagctg ggcgggtcac aagaggacca gattaaaaat gctattgata aactttttgt      120
gttggttgga gcagaaatac taaagaagat tccgggccga gtatccacag aagtagacgc      180
aaggctctcc tttgataaag atgcgatggt ggccagagcc aggcgggtca tcgagctcta      240
caaggaagct gggatcagca aggaccgaat tcttataaag ctgtcatcaa cctgggaagg      300
aattcaggct ggaaaggagc tcgaggagca gcacggcatc cactgcaaca tgacgttact      360

```

cttctccttc gccaggtg tggcctgtgc cgaggcgggt gtgacctca

410

<210> 3270

<211> 389

<212> DNA

<213> Homo sapien

<400> 3270

cgttgctgtc	ggagaacct	gttataatgg	gactgctcag	cctaaatggt	caggtgacaa	60
ggcctgtgaa	acccactggt	ggccctggag	gagggggcgc	acaaacacag	cctcagaaga	120
gccagctgat	taacaccaac	acaatcgcta	atggcactca	gcagcacgca	cagagtatga	180
ccaccactat	taagtatgtg	gtagagtaaa	ttatgtatta	tacacttgcg	gggaaccaag	240
atatgggata	ctttggagtt	gactattaat	acttatgcct	taagttaacc	atthtgattg	300
caaatagagg	acagatgact	ttgttttatg	gccagtatgt	atthtgcaata	caataatata	360
tatctgccat	aatttggtga	gcattgtagg				389

<210> 3271

<211> 374

<212> DNA

<213> Homo sapien

<400> 3271

cgttgctgtc	ggggcctccg	gggaagcgtc	cccgtaggg	gtgggggtctt	gggactccct	60
ggggcctccg	gagctgacct	gtgggggggtc	tgctgccctc	agttcctgct	gaccaaagtc	120
ctgccggatc	tggcgcttac	gaggacgtgg	cggggtggagc	tcagaccggg	gggctaggtt	180
tcaacctgcg	cattgggagg	ccgaaggggtc	cccgggacct	gcctgctgag	tggaccgggg	240
tgtctctgga	cctctgactg	acactgtgcc	tgcccagggtc	cctgtatgca	ctgccacagt	300
gccctggggc	ccatgtccac	ccctgtcctg	cccttctctg	ggataggggt	ggccttcctc	360
tgccctctgc	tggg					374

<210> 3272

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 3272

cgttgctgtc	ggggcctccg	gggaagcgtc	cccgtaggg	gtgggggtctt	gggactccct	60
ggggcctccg	gagctgacct	gcgggggggtc	tgctgccctc	agttcctgct	gaccaaagtc	120
ctgccggatc	tggcgcttac	gaggacgtgg	cggggtggagc	tcagaccggg	gggctaggtt	180
tcaacctgcg	cattgggagg	ccgaaggggtc	cccgggacct	gcctgctgag	tggaccgggg	240
tgtctctgga	cctctgactg	acactgtgcc	tgcccagggtc	cctgtatgca	ctgccacagt	300
gccctggggc	ccatgtccac	ccctgtcctg	cccttctctg	ggataggggt	ggccttcctc	360
tgccctctgc	tggctgcata	n				381

<210> 3273

<211> 290

<212> DNA
<213> Homo sapien

<400> 3273
agcgagggtca gaggccatga gggaaaggca gactcgggag gagagtggag tacttccaca 60
tctgggcggc tgtgggggga acaactgtgt gtgtgcttta catccatccc ctgaaccttc 120
agagctgact atcccagcct cggctaattgt attctacgcc atggatggag cttcacacga 180
tttcctcctg cggcagcggc gaaggtcctc tactgctaca cctggcgtca ccagtggccc 240
gtctgcctca ggaactcctc cgagtgaggg aggagggggc tcctttccct 290

<210> 3274
<211> 382
<212> DNA
<213> Homo sapien

<400> 3274
ggcacgagct cgaatctcca gaaaagcagc taactactaa tgagatctat aactggttca 60
cacgaatgtt tgcttacttc cgacgcaacg cggccacgtg gaagaatgca gtgcgtcata 120
atcttagtct tcacaagtgt tttgtgagag tagaaaacgt taaaggggca gtatggacag 180
tggatgaagt agaattccaa aaacgaaggc cacaaaagat cagtggtaac ctttccctta 240
ttaaaaacat gcagagcagc cagcctact gcacacctct caatgcagct ttacaggctt 300
caatggctga gaatagtata cctctatata ctaccgcttc catgggaaat cccactctgg 360
gcaacttagc cagcgcaata cg 382

<210> 3275
<211> 403<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

<400> 3275
ggcacgaggg acaagagaga agagagactg aaacagggag aagaggcagg agagggggag 60
gtgtgggagg cttaanctg gaggccgaca ctgagggagg gcgggaggag gtgaagaagg 120
agagagggga gaagaggcag gagctggaaa ggagagaggg aggaggagga ggagatgcgt 180
gatggagacc tggagttagg tggcttgga gagcttaatg aatagagaac ggagaggagg 240
tgtgggttag gaaccaagag gtagccctgg tggcagcaga aggctgagag gagtaggaag 300
atcaggagct agaggagagac tggatggttc cgggaaatga gcagaggaaa gaggaaagac 360
acagagagac gggagagaga agaatagtgg ttttgtatgg cgg 403

<210> 3276
<211> 405
<212> DNA
<213> Homo sapien

<400> 3276
ggcacgagga ggaacaagaa gcacctctac agggagctcc cagttgaggt gcgacaggca 60
ctcggccaag tccctgatgg cttegtccag tacttcacaa accgcttccc acggctgctg 120
ctccacacgc accgagccat gaggagctgc gcctctgaga gcctcttcct gccctactac 180

```

ccgccagact cagaggccag gaggccatgc cctggggcca cagggaggtg aggtgggctg      240
gatgccacac agatggtctc cgtgctggct cactgaagag ctgagcctga ggctggcctc      300
acaatcaagc tgggtgcagt ggctcacacc tgtaatccca gcattttggg aggctgagtg      360
agaggatcac ttgagctcag gagttcgaga ccagcctggc caact                      405

```

<210> 3277

<211> 377

<212> DNA

<213> Homo sapien

<400> 3277

```

cgttgctgtc ggcgattttc ctgcctcatc ctcccagta gctgggattc caggcgcccg      60
ccaccacgcc tggctaattt tttgtatttt tagtagagac gggattttat catggtggcc      120
aggctgggtct cgaactcctg acctcaggtg atctgcccac cttggcctcc caaagtgctg      180
ggattacagg catgagccac tgtgcctggc cccttcctgt aaaattttta aatggagaat      240
tgggtgcgag atgtggtttc cagcctgggt cctgggggtgc tgagctagtg agtgggtgcag      300
tccaggacac ctttgcttta tgtcacttac acggtcacct ggagccggct caagtggcta      360
aagcatcctg gggccca                      377

```

<210> 3278

<211> 384

<212> DNA

<213> Homo sapien

<400> 3278

```

ggcacgagga gagagagaga gaataagatt tttgaatcat tttgtctgct aaataagaca      60
tataagaact ctgaagggtg aatagatttg actgtattaa atgttggcga gagactctct      120
ttgatacatt aaaaaaactg tttgcagaag cagttctatg gaagagactg gaataattat      180
ggccgtgtaa cgtgtaccgg ctttaaatggg aaatattctt gatcttcaac attgttcttt      240
ggttcttttt tcctttttta ggaaaaacaa aacaacagac ttcaccttta gggtttctca      300
agattttaagc gaacacattt acacatatca atttcttaaa gaacacagaa tgtttcctcc      360
ctagcttaac tatttaagag ccag                      384

```

<210> 3279

<211> 181

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(181)

<223> n = A,T,C or G

<400> 3279

```

acccnnnnn nctgcctcac ctctctgggc cagtttcccc atagtacagt ggtgctgcac      60
accctggccc tggccccgag gtggctggga ggtggctcct caaaccgccg ctgtctcatc      120
gaggccccgt gatgcatcag ggatcgactg aggctctgag ctaactggga aacacagtgg      180
c                                          181

```

<210> 3280

<211> 152

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(152)
<223> n = A,T,C or G

<400> 3280
attgcgctgn gnaacacaaa ttctcctctg cgctatgtgg acattgccat cccatgcaac 60
aacaaggtaa tgatttttagg atctagagtt tgtgaatgcg tgctctagaa naaacattcc 120
tgtgcacatt gatagagctt ggagttgagg ct 152

<210> 3281
<211> 189
<212> DNA
<213> Homo sapien

<400> 3281
aggccaggcg tgcgacgctt tatcggtcac gaaatggata cccggcctgc catggccatc 60
tttgaactcc tggactatat tgtgaacgag ccacctccta agctgtccaa cgggtgtgttc 120
accctccact tccaagagtt agacaataaa agcctcatca agaaccctac ggagcgagct 180
gacctgaag 189

<210> 3282
<211> 392
<212> DNA
<213> Homo sapien

<400> 3282
ggcacgaggc ttgtggtcaa acatcgggac atgaatgata aggaactgga agctcacgag 60
gcacggaagg cccagctaga aaaccacgaa ccggaggagg aagaggaaga ggagatggag 120
acagaagaga aagaagctgg gggctcagat gaggagcagg agaagggcag cagcagtgag 180
aaggagggca gtgaagatga gcaactcggc agcgagagtg aacgggagga aggtgacagg 240
gacgaggcca gtgacaagag tggcagtggg gaggacgaga gcagcgagga tgaggcccgg 300
gctgcccgtg acaaagagga gatctttggc agtgatgctg attctgagga cgatgccgac 360
tctgatgatg aggacagagg acaggcccaa gg 392

<210> 3283
<211> 170
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(170)
<223> n = A,T,C or G

<400> 3283
gaatttnncc ncnncacctg ccactactac nccaacaagt acagcttctg gctgaccacc 60
attcccagagc agagcttcca gggctcgccc tccgccgaca cgctcaaggc cggcctcatc 120

ccgcacacat caaccgtgc caggtgtgca tgaagaacct gtgagccgga

170

<210> 3284

<211> 158

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(158)

<223> n = A,T,C or G

<400> 3284

cctnacanan aacttaactg gcagcaagag acggctacaa actcctaagg aaaaggccca
ggctctagaa gacctggctg gctttaaaga gctcttcag acacgaggtc acactgagga
tcaatgacta acgataatac tgccaaagta gcttgcaa

60

120

158

<210> 3285

<211> 153

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(153)

<223> n = A,T,C or G

<400> 3285

ccaanaacag attgctgaat tcaaggaagc cttctcccta ttgataaag atggcgatgg
caccatcaca acaaaggaac ttggaactgt catgaggtca ctgggtcaga acctcacaga
agctgaattg caggatatga tcaatgaagt gga

60

120

153

<210> 3286

<211> 350

<212> DNA

<213> Homo sapien

<400> 3286

acctagccag ccaacataac atgccttacc ttcttagaac gaaccaccgc tataacgcag
accgaaagac gctttattcg cgcacctggt gaagctattg ctccatttgg agccctata
agccgcgaca atccaggag caacacctat agccttcatt acatcgttca acttcacttt
gaggtatgct acgtagaaat agatcatgga gccaaagtga gtgcactttg tcaaagttaa
gggtctgctt tgttcttggt gcttttctgt tttttaacct ttgttccgc catttaaaaa
aagaaaaaaa aaaagttatg tttcttgta aatgcagaaa tgttccttcc

60

120

180

240

300

350

<210> 3287

<211> 162

<212> DNA

<213> Homo sapien

<400> 3287

```

agctcggcgtt ttatcttctt ccgtaccact tgacaaccat ggggccctgg tcttctgtac    60
tcaggggctg gtctcccaga gatgggcaaa agccagcttg cccgttttct ttatgcttca    120
agagaaaccc ctcttctctg gtccagactc tgggtggagt gt                                162

```

```

<210> 3288
<211> 184
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(184)
<223> n = A,T,C or G

```

```

<400> 3288
cacacatgcc tcatataagt gaatgcttga tgaaaagaag tttaaaaccc accgacctga    60
gagacatgac tattgggcag ctacaagtga tagtcaatga tctccattcc cagatagaag    120
cttgaatgaa gagttggtcc agctgcttct catccgagat gagctgcaca cagagcanga    180
tgcn                                184

```

```

<210> 3289
<211> 188
<212> DNA
<213> Homo sapien

```

```

<400> 3289
cgcactaaga tgttgggata actttcccaa ctccaagttc cagcgaggct aaattggaag    60
agaacagtga tgtgacttct tggtcagaag aaaaacgtga agagaaaatg ctctttaccg    120
gttatcctga ggacagaaaag ttaaaaaaga acaagaagaa ttcccatgaa ggagtttcct    180
ggtttgtt                                188

```

```

<210> 3290
<211> 383
<212> DNA
<213> Homo sapien

```

```

<400> 3290
cgttgctgtc gcacacacct gtaatcccag ctaccgggga ggctgaggca ggagaatcgc    60
tagaacctgg gaggcggagg ttgcagtcag ccaagatagc accactgcac tccaggctgg    120
gtgacagagc gagactccat gtcaaaaaaa aaaaaaaggg gggaactcaa attttctttt    180
ttaaggtaat ccccaaaatt ttctccaaaa aaaaaatggt ggtttggtat tttgaaactt    240
aaaagcagct atgggtaaat ttctgaaata tagcaggaga ccaaaacatg tttggaaaga    300
gaataaatat ttgaagagag acgggtgggt ttattttcaa tgtatggaat atattaaact    360
actatttatt ttctgagggg agg                                383

```

```

<210> 3291
<211> 158
<212> DNA
<213> Homo sapien

```

```

<400> 3291

```



```

ctttcaagac agcctccctt tattgaattg gcattagga ataaacaagc ctttaaacgt      60
gataaaagat caaaaacctg gttagacatg ccagcctttg caaggcaggt tatgtaccaa    120
agactaacct ccaagtggct ttatggacgc tgcataatg                               158

```

<210> 3292

<211> 378

<212> DNA

<213> Homo sapien

<400> 3292

```

ggcacgagggc aagaatggcc agattctcct ctgggaccca agcacaggga agcaggtggg      60
caggaccctc gctggccaca gcaagtggat cacaggcctg agctgggagc ccctccatgc    120
gaaccctgag tgcgcctatg tggccagcag ctccaaggat ggcagtgtgc ggatctggga    180
cacaactgca ggccgctgtg agcgcctcct caccgggcac acccagtcgg tcacctgtct    240
ccggtgggga ggggacgggc ttctctactc tgcctcccag gaccgcacca tcaaagtctg    300
gagagctcat gacggtgtgc tgtgccggac tctgcaaggc cacggccact gggatgaacac    360
catggccctc agcactga                               378

```

<210> 3293

<211> 342

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(342)

<223> n = A,T,C or G

<400> 3293

```

tacggctgcg agaagacgac agaaggggaa acaccgcagt attgtccaaa ttatttatga      60
tgagaatcgg aaaaaagcag aagaagctca taaaattttt gaaggtcttg gcccaaaagt    120
tgaactgccg ctgtataacc agccatcaga taccaagggtg taccatgaga acatcaagac    180
tggagtacct gcaaggcgca tgatgaaaaa ccagggtgatg aggaaaaaac tcattttatt    240
ttttaaaaga agaaatcatg catgaaaaca aagggaacaa aaaatctgcc agcggttatga    300
tcagctcatg gaggcatggg agaaaaaagt ggacagaata gn                          342

```

<210> 3294

<211> 396

<212> DNA

<213> Homo sapien

<400> 3294

```

ggcggtcagg cgccgcttct ggggagaggc ctttcttttc ccctccctcc cggttcgggtg      60
gcggcgggctc ctcccactgg ggggggggag ggacggatat cttaaacatc aaccgccata    120
gagaaaaata ctgccaaacc caaaatgaca taacaagtac catcaatggg tccagccatt    180
gcctttggaa actatagacc tggaattcaa agtggaggaa ccattgaaca aaaggctatt    240
aagcggctac caggcctgaa ttttgatgat aatggaaaaa ggaacaacaa atttttgagg    300
agggagaaga atcagatttc aaacgaaaag gcacatactt gcctatgcta attataaaca    360
caagctctac cgataaatac agacatgccca ccaaat                               396

```

<210> 3295

<211> 187
 <212> DNA
 <213> Homo sapien

<400> 3295
 cattctcgag ggagcgcgag gaatgcctcc gcatgagatc aagtttgctg tccatgtcta 60
 atcgggtgctc aaccgcgtgc cgcagcccga ataccggcag ctgctggagg aagccatcat 120
 ggagctgacg ctgctctcgg acacggagat gaccagcatc gggggcatca tccacgtgga 180
 ccagatc 187

<210> 3296
 <211> 163
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(163)
 <223> n = A,T,C or G

<400> 3296
 aaccttcaac ctgcgcatca ncttcccgcc ggagtatccg ttcaagcctc ccatgatcaa 60
 attcacaacc aagatctacc accccaacgt ggacgagaac ggacagattt gctgcccac 120
 atcagcagtg agaactggaa gccttgcacc aagacttgcc aag 163

<210> 3297
 <211> 156
 <212> DNA
 <213> Homo sapien

<400> 3297
 cattgccatc caccgtggga tgccccaaga ggagaggctt tctcggtatc agcagtttaa 60
 agattttcaa cgacgaattc ttgtggctac caacctatct ggccgaggca tggacatcga 120
 gcgggtgaac attgctttta attatgacat gcctga 156

<210> 3298
 <211> 345
 <212> DNA
 <213> Homo sapien

<400> 3298
 tactgctgct agaagacgac agaaggggat agtgacgacc tcaagcggca gaggctctt 60
 ctggagcagc aagaccgtgc actggagaag gcgaggtcaa gtgcccaact gcagaccaac 120
 taccctctct cagacaacag cctctacacc aacgccaagg gcagcaccat ctctgccttc 180
 gatgggggag gtgtgggagg ttttttatcc tttctccgta tgacttcaca ccagatgcta 240
 tctgcctctg gtagcgaatt tctcatttcc tgacaatccg aaaatactat tagtttacct 300
 ccgtcagcta atccttttct catcgagtgc cataccccca ctacg 345

<210> 3299
 <211> 422
 <212> DNA

<213> Homo sapien

<400> 3299

ggcgcgaggt	ggctaccata	acgtgccgac	tattgacatc	cacatgaacc	acatcggctt	60
tgagcgggag	tggcacaaat	tcctgctgga	gtacattgcg	cccatgacag	agaagctcta	120
ccccggctac	tacaccaggg	cccaggttga	cctggccttt	gtcgtccgct	acaagcctga	180
tgagcagcac	tttggccagt	ggtctgtgtg	cagcaacaag	gacaaccact	gccagcagc	240
ctctgggacc	tcgtgggtccc	agggaaacca	gtccagactc	ctggctgttg	acttcccatt	300
gctcttggag	ccaccaatca	aagagattca	aagagattcc	tgcaggccag	aggcgaaca	360
caccttttatg	gctggagctc	tccgtggtga	tctggacca	gcctctggag	acaccattca	420
ct						422

<210> 3300

<211> 182

<212> DNA

<213> Homo sapien

<400> 3300

actattaccc	ctagaggtac	aactgtgacc	cctacaaagg	aaactgtatc	ccttggaaag	60
cacacatgag	ctctaggaga	gaaaactgag	atcactgggg	caatgaccat	gacttctgtg	120
gtcatcagtc	catgaccctt	ggagagaaaag	ccctgacccc	tgtgggtatc	aatctgtgac	180
ca						182

<210> 3301

<211> 391

<212> DNA

<213> Homo sapien

<400> 3301

gatgggcagc	tttccgactc	ggattccgac	atgacggtcg	cacccagcga	caggccgctg	60
caattgccaa	aagtgctagg	tggcgacagt	gctatgaggg	ccttccagaa	cacggcaact	120
gcatgtgcac	cagtatcaca	ttatcgagct	gttgaaagtg	tggattcaag	tgaagaaagt	180
ttttctgatt	cagatgatga	tagctgtctt	tggaaacgca	aacgacagaa	atgttttaac	240
cctcctccca	aaccagagcc	ttttcagttt	ggccagagca	gtcagaaacc	acctgttgct	300
ggaggaaaga	agattaacaa	catatggggt	gctgtgctgc	aggaacagaa	tcaagatgca	360
gtggccactg	aacttggtat	cttgggaatg	g			391

<210> 3302

<211> 380

<212> DNA

<213> Homo sapien

<400> 3302

ccattcactc	gttcagcaga	cacgcatggt	actgatgctt	tgagttttct	tctgtgggga	60
tttcctttct	ctggactctg	tgcagccctt	gccctccctc	gggtgctgct	ggcctcaaag	120
gaggaaactcg	tggcgggagg	tgtggaatta	ttcacctaag	cctgaccttt	tgtttagttg	180
acagcattgc	tttctgtgtt	gccaatcttg	gctcatacga	gatgcatagg	aatgagctcg	240
agccttcctc	cttttgcttc	cggatatatt	cttcctcttg	ggaacatgag	tccacttcga	300
actgcttctc	gtagtcttct	ccagctgtat	tggcaacttc	tgcataagga	tcatgagtct	360
gtggaggcac	cgacttctcc					380

<210> 3303
 <211> 175
 <212> DNA
 <213> Homo sapien

<400> 3303
 ggcacgaggc ttttgagacc aggggttgctc tgtctgtgct ccgcctcgcc atgacttcct 60
 acagctatcg ccagtcgtcg gccacgtcgt gcttcggagg cctgggcggc ggctccgtgc 120
 gttttggggc gggggtcgcc tttcgcgcgc ccagcattca cgggggctcc ggcgg 175

<210> 3304
 <211> 356
 <212> DNA
 <213> Homo sapien

<400> 3304
 tacggctgcg agaagacgac agaagggtaa cacggattct tcacattcta atcctcctga 60
 gtcaaatcct gatcctgtcc actcagagtt ctgaaggggg ccagatgttg ggtgcagatg 120
 tagaagcagc cagtcacaga cccattctat gcaatggaca tttatttgaa aaaaattctc 180
 aaaagttttt tttttttttt tggggggggg ggggttttaa gctgttttta cctccgagac 240
 tccactttta agggacccag ggaattaagg catataaaat ttaccccccc aagattaaaa 300
 gccaggaag aggttcaacc catgtgagaa ctgccctcct aggaaagggt ttaagg 356

<210> 3305
 <211> 170
 <212> DNA
 <213> Homo sapien

<400> 3305
 atggataaga acaagatggg cttgaaaggc cctttgaaga ccccaatagc agccggggcac 60
 ccatctatga attactgtct gcgcagaaca tttgaccttt actcgaatgt ccgaccctgt 120
 gtttctatcg aaggctatac aaccctttac accgatgtaa atattgtgag 170

<210> 3306
 <211> 413
 <212> DNA
 <213> Homo sapien

<400> 3306
 ggcacgagaa agcttttcagg cagagctcag agctgattac tcacacagaga atacatagtg 60
 gagagaaacc ctatgaatgt agtgaatgtg gaaaagcttt cagtttgagc tcaaacctta 120
 tcagacatca gagaattcat agtggggagg aaccttatca gtgtaatgaa tgtggcaaaa 180
 ctttcaaaag gagctcagcc cttgttcagc atcagagaat tcattctggg gatgaagctt 240
 atatatgtaa tgaatgtggg aaggctttca ggcacagatc ggtccttatg cgccatcaaa 300
 gagtccacac tataaagtaa tttgtgaata ctgtgaatag tgtaaatact tcagtcagat 360
 ttttaagttt gtttagtcaaa agagtttact ttggagcaaa actccataaa ggt 413

<210> 3307
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 3307
ggcacgagggc aatgtcaagt ttgtccagga tacatccaag ttctggtaca agccacacct 60
gtcccgtgac caagccattg ccctgctgaa ggacaaggac cctggggcct tcctgatcag 120
ggacagtcac tcattccaag gagcttatgg gctggccctc aagggtggcca caccgccacc 180
cagtgccag ccctggaaaag gggaccccgt ggaacagctg gtccgccatt tcctcatcga 240
gactgggccc aaaggggtga agatcaaggg ctgccccagt gagccctact ttggcagcct 300
gtccgccttg gtctcccagc actccatctc ccccatctcc ctgccctgct gcctgcgcat 360
tcccagcaaa gatcctctgg aagagacccc agaggctcca gt 402

<210> 3308

<211> 388

<212> DNA

<213> Homo sapien

<400> 3308
cgttgctgtc ggaagcaatg aatagcatgg gaggatttgg aggagttggc cgaatgggag 60
agctgtaccg tgggtgcgatg actagtagca tggagcgaga ttttggacgt ggtgatattg 120
gaataaatcg aggcttttga gattcctttg gtagacttgg tgggtggaatg ggtagcatga 180
acagtgtgac tggaggaatg gggatgggac tggaccggat gagttccagc tttgatagaa 240
tgggaccagg tataggagct atactggaaa ggagcatcga tatggatcga ggatttttat 300
cgggtccaat gggaagcggg atgagagaga gaataggctc caaaggcaac cagatatttg 360
tcagaaatct accttttgac ttgacttg 388

<210> 3309

<211> 387

<212> DNA

<213> Homo sapien

<400> 3309
ggcacgaggg ccagcggtag caactgtaga actgcaggag actatctttc tagacaaggc 60
agttgaggag gaggagcgc ttgaggggga ctggcctggc gtgcactccg cacctcgggg 120
acattattgc gcgtggaacg gctgcttttg gaagactatt gccagaaga aaagatgttt 180
ggttttcaca agccaaagat gtaccgaagt atagagggct gctgtatttg cagagctaag 240
tcctccagtt ctgcattcac tgacagtaaa cgctatgaaa aggacttcca gagctgtttt 300
ggattgcatg agactcgttc aggagacatc tgcaatgcct gtgtcctgct tgtgaaaaga 360
tggaagaagt tgccagcagg atcaaaa 387

<210> 3310

<211> 422

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(422)

<223> n = A,T,C or G

<400> 3310
ggcacgagcg cgggagttcc gcaggtttcc cgtgttcgca gcggagccgg aggccagctg 60
aaccgggccg tgggatcccc gataggagga ggaggggacc cataggacgc gttaacatgg 120

```

acctggaaaa caaagtgaag aagatgggct taggtcacga gcaaggattt ggagcccctt      180
gtttaaaatg caaagaaaaa tgtgaaggat tcgaactgca cttctggaga aaaatatgtc      240
gtaactgcaa gtgtggccaa gaagagcatg atgtcctctt gagcaatgaa gaggatcgaa      300
aagtgggaaa actttttgaa gacaccaagt ataccactct gattgcaaaa ctaaagtcag      360
atggaattcc catgtataaa cgcaatgtta tgatattgac gaatccagtt gctgccaaga      420
an                                                                    422

```

<210> 3311

<211> 441

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(441)

<223> n = A,T,C or G

```

<400> 3311
aagctactgg ggnnntggca ggatcccatc gattcgtac accttcccgg ccagcggtag      60
caactgcaga actgcaggag actatctttc tagacaaggc agttgaggag gaggagcgc      120
ttgaggggga ctggcctggc gtgcactccg caccctgggg acattattgc gcgtggaacg      180
gctgcttttg gaagactatt gcccagaaga aaagatgttt ggttttcaca agccaaagat      240
gtaccgaagt atagagggct gctgtatttg cagagctaag tcctccagtt ctcgattcac      300
tgacagtaaa cgctatgaaa aggacttcca gagctgtttt ggattgcatg agactcgttc      360
aggagacatc tgcaatgcct gtgtcctgct tgtgaaaaga tggaagaagt tgccagcagg      420
atcaaaaaaa aactggaatc a                                                                    441

```

<210> 3312

<211> 382

<212> DNA

<213> Homo sapien

<400> 3312

```

ggcacgagat acatttatga tggagaactg ttatcaaaga atggattttt tcagggatat      60
aaccgactga cctggatagt agttgttctt cagtgtcttt ttccttggag ccatacctgt      120
aataacagct acttttttgt atggttatga tcccaaacct gcaggaaatc cactaaagc      180
atagttgtat actatcttta actggttttt cacgatgggg cactaggaat ctcgacatta      240
atcttgcaca gaggacttct acagagtctg agaagatatc atcatgctga atctgatcat      300
actgtttttt aaaagtttaa ggataagaca tgtgtatatg taacaaaaca cattgcatct      360
agaaatcaaa acttgaaagt ag                                                                    382

```

<210> 3313

<211> 385

<212> DNA

<213> Homo sapien

<400> 3313

```

ggcacgagtg cctttctatg accctgacac cagcatcatt tacttatgtg gaaaggggtga      60
cagcagtatt cgctattttg agatcacgga tgaatccccg tacgtccact acctcaacac      120
attcagcagc aaggagcctc agagagggat gggttacatg cccaagaggg gacttgatgt      180
taacaaatgt gagattgcca gattcttcaa acttcatgag agaaagtgtg aacctattat      240

```

tatgactgtt	cccaggaagt	ctgacctttt	ccaagatgac	ctgtatcctg	acacagcggg	300
gccagaggcc	gcgctggagg	cagaagagtg	gttcgaaggc	aagaatgcag	acccaatcct	360
catctccttg	aagcacgggt	acatt				385

<210> 3314

<211> 456

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(456)

<223> n = A,T,C or G

<400> 3314

ncaggtaa	ac tagnnctntg	cgnncngnca	nnngncaaaa	ngcaggagcc	catttattct	60
aattcggc	ac gaggggagg	ggnnggaatta	ggtttattgt	gnccacgaaa	acggggcnac	120
agaagagg	tg aagatatttg	ttggattaaa	accaataaaa	acaatcctgg	gaagactaag	180
actttagat	c caaaggctgt	ctttcagaga	acaaaggaac	actgcctcat	ggggatcaaa	240
ggaactgtg	a agcgtagcac	agacggggac	ttcattcatg	ctaagtgtga	cattgactta	300
attatcacag	a aagaacctga	aattggcaat	atagaaaaac	ctgtagaaat	ttttcatata	360
attgagcatt	t tttgtcttgg	tagaagacgc	cttcacttat	ttggaagaga	tagtacaatt	420
cgaccaggct	g ggctcacagt	tggaccaacg	cttacg			456

<210> 3315

<211> 329

<212> DNA

<213> Homo sapien

<400> 3315

tacggctg	cg agaagacgac	agaaggaagc	gcccgaaccc	gctccatagc	ccggggcgctg	60
ggggttgg	aa gcaaacgcac	aagaagtttg	ttctgggaag	gctccggtag	cgaaaaccga	120
acttgggg	c gtgatatttag	aaaataaaagc	attcgcataa	tacaatgaac	tcataatttg	180
gccggatg	a ttgtaggcag	ggacgtttta	gtgtcggttt	tacgagattc	cttgatatat	240
tacagaatta	a gagtccagat	ttacaccaaa	aaggaccccc	tttttcctct	ccggaccacg	300
tgaccccg	c cactgacgt	cccctccgg				329

<210> 3316

<211> 414

<212> DNA

<213> Homo sapien

<400> 3316

gaggtgtg	ca gcctgggaca	gcaggagcgg	gtccagcttc	aggagtactg	gcggagggggc	60
tggacgttc	c acgccaaagg	tcagttcacc	gggacctgga	ggcccagatt	gcgatcgtga	120
cggagaacca	a ggccctgcag	cagcagcttc	accaggagca	agagcagctc	tacctgagg	180
caggtgtggt	g gtcctctgcc	accttcgagc	agccgagtcg	ccagggtgaag	ctgtgggtga	240
agatggtgac	a tccactgatc	aagaacttct	tctgaggaca	gacaggaatg	gccttgatga	300
agatgacagg	a catggccggg	gtcagctctt	tcagccgcgc	ttcagcgatg	actccagtct	360
gggtgtccca	a gcgagcccc	gcagggacag	tatggctgag	ggtcacgtgt	gctg	414

<210> 3317
 <211> 380
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

<400> 3317
 ggcacgaggg aaagggagac gtcatttgc actatgggaa ccgaggggag cctgataccta 60
 tcgttttgac gccaggcacc tacgggctga gcaacgcgc gctggagact ccctggagga 120
 agctgtgctt tgggaagcag ctcttcctgg aggcgtgtga acggagccag gcgctgcca 180
 aggatgtgct catcgccagc ctccctggatg tgctcaacaa tgaagaggcg cagctgccag 240
 acccgccat cgaggaccag ggtggggagt acgtgcagcc catgctgagc aagtacgcgg 300
 ctgtgtgcgt gcgctgccct ggctacggca ccagaaccaa cactatcatc ctggtagatg 360
 cggacggcca cgtgaccttn 380

<210> 3318
 <211> 427
 <212> DNA
 <213> Homo sapien

<400> 3318
 taaaacagac agagataagt acaacagaat atctcgggaa tggactcaga agtatgccat 60
 gtgatgctac cttaaagtca gaataacctg cattatagct ggaataaact ttaaattact 120
 gtcccttttt tgattttctt atccggctgc tcccctatca gacctcatct tttttaattt 180
 tattttttgt ttacctccct ccattcattc acatgctcat ctgagaagac ttaagttctt 240
 ccagcttttg acaataactg ctttttagaaa ctgtaaagta gttacaagag aacagttgcc 300
 caagactcac aattttttaa aaaaaatgga gcatgtgtat tatgtggcca atgtcttcac 360
 tctaacttgg ttatgagact aacaccattc ctactgctc taacatgctg aagaaatcat 420
 ctgaggg 427

<210> 3319
 <211> 408
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(408)
 <223> n = A,T,C or G

<400> 3319
 ggcacgaggg tgagccaaga gcgcaccatt gcactccagc ctgggcgaca aaaacgaaac 60
 tccatctcaa aacaaaacaa aacaaaacaa acaaaacaaac aaaacttgca tctaaccaaa 120
 aagtcttggg tttatcttaa tccattaaaa agttgttctt tgtttccagc ttgcattgat 180
 tgctacaaca tctaataatt ggctttcaca tttaaatggg tctgtgctaa tcaaaacttt 240
 cgttgttatt attcattatg gtagaatcat ttttaattca cgtgctttgt gttcagtttt 300
 gtggtctgag agatgtacca attgtcaaat taccgtgtac cacctaattg ttataggaga 360

aagcaaaata catcagcttg gtagttaaca catcanatat ttcttgct

408

<210> 3320

<211> 393

<212> DNA

<213> Homo sapien

<400> 3320

ggcacgagaa	ggtgttacag	cacatgaagg	ccgtgcaggc	agatcatgag	cggcagaggc	60
agcggcggt	ggaagtataa	cgtgaggcag	agaagaagcg	tgaggctaag	cagcgagcta	120
aggaagctca	tgagcgggaa	ctgcggaagc	gggagaaggc	ggaagagaag	gagcggcggg	180
gaaaggagta	tgatgccctc	aaagcagcca	agcgggagca	ggagaagaaa	cctaagaagg	240
aagcaaata	ggccccgaaa	tctaagtctg	gtccccgtcc	ccgcaagcca	ccaccccgga	300
agcacactcg	ttcctgggct	gtgctgaagc	tgctgctgct	gctgctgcta	tttgggtgtg	360
cgggagggt	ggttgcttgt	cgggtgacag	agc			393

<210> 3321

<211> 423

<212> DNA

<213> Homo sapien

<400> 3321

ggcacgagac	gacttcttga	acagaaaaca	ctagaaagtc	aaaaaaagaa	gcaacaagat	60
gattctgatg	aatatgatga	tgacgactct	gcagcctcaa	cttcatttca	gccacagcct	120
gttcaacctc	agcaaggcta	tattcctcca	atggcacagc	caggactgcc	accagtacca	180
ggagcaccag	gaatgcctcc	aggcatacct	ccattaatgc	cagggtgttc	tcctctgatg	240
ccaggaatgc	caccagttat	gccaggcatg	ccacctggat	tgcatcatca	gagaaaatac	300
accagtcct	tttgcggtga	aaacataatg	atgccaatgg	gtggaatgat	gccacctgga	360
ccaggaatac	cacctctgat	gcctggaatg	ccaccaggta	tgccccacc	tggtccacgt	420
cct						423

<210> 3322

<211> 397

<212> DNA

<213> Homo sapien

<400> 3322

ggcacgaggt	tccacgccaa	aggcctctgt	ttgtacctgg	cgttttcagc	ctgccctgtc	60
tcacgctgat	tggctctcct	aattttgggt	acaggtcagt	tcaccgggac	ctggaggccc	120
agattgcat	cgtgacggag	aaccaggccc	tgacgagca	gcttcaccag	gagcaagagc	180
agctctacct	gaggtcaggt	gtggtgtcct	ctgccacctt	cgagcagccg	agtcgccagg	240
tgaagctgtg	ggtgaagatg	gtgactccac	tgatcaagaa	cttcttctga	ggacagacag	300
gaatggcctt	gatgaagatg	acaggcatgg	ccggggtcag	ctctttcagc	cgcgcttcag	360
cgatgactcc	agtctgggtg	tcccagcgag	cccctgg			397

<210> 3323

<211> 398

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

```
<400> 3323
cgttgctgtc ggatccatcc tacagatgca tcctagaata cgcttccaca cgggtcttgc      60
ggatgcccac ctctactgtt tgaaaaaata catcgaggat ttgctaattg aaaacgggtc      120
aataactttct atccggagtg aactgatttc atatttagtg agaaaacagc tttcctcagc      180
ttcctcacaa cagggacgca gaacaaaaag aggaggatct agagaaaaag gagctgaact      240
ccttatatat atacagtttt ataaaagaag ccaatacact gaacctgggt ccctatgatg      300
cctgctggaa tgctgtcgga ggagacaggt gggaagactt gtccagatca catgtgcgct      360
gctatgtcca catcatgaaa gaagggtctt gctctcgn                               398
```

<210> 3324
 <211> 399
 <212> DNA
 <213> Homo sapien

```
<400> 3324
ggcacgaggt tcgttgggcg gtgctggttt ttcgctcgtc gactgcggct cttcctcggg      60
cagcgaagc  ggcgcggcg  tcggagaagt ggccataaac ttcggcggtg ggtgaaagaa      120
aatggcccca accaagcaga ctgctcgtaa gtccaccggt gggaaagccc cccgcaaaca      180
gctggccacg aaagccgcca ggaaaaagcg tccctctacc ggcgggggtg agaagcctca      240
tcgctacagg cccgggaccg tggcgcttcg agagattcgt cgttatcaga agtcgaccga      300
gctgctcatc cggaaactgc ccttccagag gttggtgagg gagatcgcg  aagatttcaa      360
aaccgacctg aggtttcaga ggcgcagccat cgggtgcgct                               399
```

<210> 3325
 <211> 439
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(439)
 <223> n = A,T,C or G

```
<400> 3325
ccttttgata agnttcgacg acncccagca ggancccatg gactcgaatt cggcacgagg      60
ttcttcagca gaatttgacc ttcatcacca tgcgcgggga ggcagacctg gactttgcaa      120
ggcagtacta cgagatgctt tacaacacag ctgacgagct cctgaacctg gtggtggacc      180
aggggtgtgaa gtacacggag ctggagtaca tccacgctct gacctgctg caccgcagcc      240
agactggggt gggggaactg accaccaga acacgaggct gcagaggctc aaagagatca      300
tctgcgagca ggctgccatc aagcaagcca ccaaggacaa gaagataact accgttttagc      360
agggcgctact gcggttggtg acgggggtcc cctcagtcac actcactttt tttccttggt      420
atgttattga ggatattct                               439
```

<210> 3326
 <211> 429
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(429)
 <223> n = A,T,C or G

<400> 3326
 ggcacgagct ctactcaata gtccccccag ctttgtgtgc tggctctcggg gcttcatgga 60
 gatgaatggg cgggggggagt tgggtggagtc actcaagaga ttctgtgctt ccacgaggct 120
 tccccccact cctctgctgc tattccctga ggaagaggcc accaatggcc gggaggggct 180
 cctgcgcttc agttcctggc cattttctat ccaagatgtg gtacaacctc ttaccctgca 240
 agttcagaga cccctgggtct ctgtgacggg gtcagatgcc tcctgggtct cagaactgct 300
 gtgggcactt ttctgcccct tcacggngta atcaagaaag gtggcttcgt ccctgtcatc 360
 gccactaag ggaagccaat gaggagggtg cacttcgtgt accacaactt gtggcccaag 420
 aattggccc 429

<210> 3327
 <211> 449
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(449)
 <223> n = A,T,C or G

<400> 3327
 tgtggatccc agcattcaat tccgtgctgt cgaacaagc cctgaagttt gcatgagatg 60
 cttcaaactg aaggcagcca gtgtgctaaa acatttataa atctgatgac tcatatctgc 120
 aaagaacaga ccgttcagta tatactaact atggtggatg atatgctgca ggaaaatcat 180
 cagcgtgtta gcattttctt tgactatgca agatgtagca agaactgctc gtggccctac 240
 tttctgccaa tgttgaatcg ccaggatccc ttcactgttc atatggcagc aagaattatt 300
 gccaaagttag cagcttgggg aaaagaactg atggaaggca gcgacttaca ttactatttc 360
 aattggataa aaactcagct gagttcacag aaactggcgt gtancggtgt tgctgttgaa 420
 acaggaacag tctcttcaag tgatagttt 449

<210> 3328
 <211> 398
 <212> DNA
 <213> Homo sapien

<400> 3328
 ggcacgaggc tctcaccct cagtcaggtc ccaaccactg taaagacctc tggggacggc 60
 tgacccaagg ctggataaat ccatagggtg tgccagccca agggcccagt cactggagaa 120
 aacctcagtt cccactggcc tgagacttcc gccgccagac agactgctca ttactagcag 180
 tcccaaacc cagacttcag acaggcctac tgacaaacc catgcctctt tgtcccagag 240
 actcccacct cctgagaaaag tactatcagc tgtgggtccag acccttgtag ctaaagaaaa 300
 agcactgagg cctgtggacc agaatactca gtcaaaaaat agagctgctt tggatgatgga 360
 tctcatagac ctaactcctc gccagaagga gcgggacag 398

<210> 3329

<211> 426
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(426)
 <223> n = A,T,C or G

<400> 3329
 ggcacgagct ctactcaata gtccccccag ctttgtgtgc tggctctcggg gcttcatgga 60
 gatgaatggg cggcgaggagt tgggtggagtc actcaagaga ttctgtgctt ccacgaggct 120
 tccccccact cctctgctgc tattccctga ggaagaggcc accaatggcc gggaggggct 180
 cctgcgcttc agttcctggc cattttctat ccaagatgtg ggacaacctc ttaccctgca 240
 agttcagaga cccctgggtct ctgtgacggg gtcagatgcc tcctgggggct cagaactgct 300
 gtggtcactt ttcgggccctt tcacgggtgta tcaagtaagg tggcttcgct ctggctcatcg 360
 cccacttngg gaagcgaatg aggaggttgc actccgcgta ccacagctgg tgggccaggg 420
 atttgt 426

<210> 3330
 <211> 399
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 3330
 gccgttgctg tcggccctag aagaggtata cccagacctc actccagaag agaccagaag 60
 aaacagcctt ggaggtgatg tcttatttgt ggggaaacat caccactcc atgacttcat 120
 tttagagctg taccagacag gtccacaga gccagtggag gtacccctg aactatgtca 180
 tgggattcaa ggaaagtttt ctttgatga agaagccatt cttccagatc aaatagtatg 240
 ttctcctgtt cctatgttaa gggatctgac acagaacact gtagtcagta ttaattttaa 300
 agaccacag tttgctgaag attacattt taaagctgta atgcttccag gagcaagaaa 360
 gccagcagca gtactgaaac ctagtgactg ggaaaaatn 399

<210> 3331
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 3331
 cgttgtctgtc gagaaatcaa ctgtaagtgc ttatagacat tgtctgtctc tgaggataga 60
 agtatctgcc tgcagccaag acttcatttt gatggcaaata acattgtctg tagttcagca 120
 cttggctctc accagtggga ctttgccagt tatgatattc tcagggtcat caagactcct 180
 gagatagcaa acttggcctt gcttggcttt ggagatatct ttgccctgct gtttgacaac 240
 cgctacctgt acatcatgga cttgccgaca gagagcctga ttagtcgctg gcctctgcc 300
 gagtacagga aatcaaagag aggtcaagc ttcttggcag gcgaagcatc ctggctgaat 360
 ggactggatg ggcacaatga cacgggcttg gtctttgcca cc 402

<210> 3332
 <211> 372
 <212> DNA
 <213> Homo sapien

<400> 3332
 tacggctgcg agaagacgac agaaggggaa ggctggaagt acaccttggt ggaggcttca 60
 gtgacgacag gcagttgtca caaaaactca ctcacaaact tcttagtgaa tttgacaggc 120
 aagaagatga cattcactta gtgacattat gtgtgacaga attaaatgac cgggaagaaa 180
 acgaaaacca ctttccagta atatatggca ttgctgtcaa cattaagact gcagagattt 240
 acagagcatc ctttcaagat cgggggtccgg aggagcagct tcgtgctgcg cgaacttttag 300
 caggaggacc aatgattagc atttatgatg cagagacaga gcaacttcgt ataggaccgt 360
 actcctggac cg 372

<210> 3333
 <211> 436
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (436)
 <223> n = A,T,C or G

<400> 3333
 gaaccttga aagangnnnc ttgggatttc cgcaggatcc catcgattcc aagtcggcac 60
 gaggagaaac tccggtcggg tcagctctcc tacaaagaag atccagtggg atggcaaaga 120
 ttgttggctc agactgttgc taacaggaac tctgaagccc gggctttcaa gccagaaaca 180
 atctcagcat tcacttctga tccagcactt ttgtcatttg ctgaatattt ctgcaagcca 240
 actgtgaaca tgggtcagaa acaggaaatt ctggatctct tttcttcagt actctatgaa 300
 tgtgttacct aggagacccc agagatgttg cctgcataca tagcaatgga tcaggctata 360
 agaagacttg ggagaagaga aatgtctgag acttctgaac tttggcagat acagatgggtg 420
 ttagatgttt tcagct 436

<210> 3334
 <211> 377
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (377)
 <223> n = A,T,C or G

<400> 3334
 tacggctgcg agaagacgac agaaggggaa ggctggaagt acaccttggt ggaggcttca 60
 gtgacgacag gcagttgtca caaaaactca ctcacaaact tcttagtgaa tttgacaggc 120
 aagaagatga cattcactta gtgacattat gtgtgacaga attaaatgac cgggaagaaa 180
 acgaaaacca ctttccagta atatatggca ttgctgtcaa cattaagact gcagagattt 240
 acagagcatc ctttcaagat cgggggtccgg aggagcagct tcgtgctgcg cgaacttttag 300

caggaggacc aatgattagc atttatgatg cagagacaga gcaacttcgt ataggaccgt 360
actcctggac accattn 377

<210> 3335
<211> 408
<212> DNA
<213> Homo sapien

<400> 3335
ggcacgagggc ttcttctcct tggatttggt taggattcca agtaactctt atttgctcca 60
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ggaaattacg atatgaaata gatactggag aagaaacaaa atttgttaac ccagaagatg 180
ttgccagact gatatttagt aaaatgaaag aaacggcaca ttctgtattg ggctcagatg 240
caaatgatgt agttattact gtcccgtttg attttgagaa aaagcaaaaa aatgctcttg 300
gagaagcagc tagagctgct ggatttaagt ttttgcgatt aattcacgaa ccgtctgcag 360
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<210> 3336
<211> 421
<212> DNA
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gcaagtcaag gggactcttt gcaggcgtgt ctttagaagg gagctgtttg attgaaagga 180
aagaaactaa tagaaaaattt tattgtcaag atatccgagc ttatgacatt ttatttggag 240
atacaccgcg gctgtctcaa gccgaagatc tttatgaaat tcttgattcc tttactgaaa 300
agtatgaaaa tgaaggacaa cgaatcaatg caagaaaagc agcaagggag cagaggaagt 360
cttctgctaa agaattacct ccaaagccat tgtcaagacc acagcagtc tctgcaccag 420
t 421

<210> 3337
<211> 455
<212> DNA
<213> Homo sapien

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tgctgctgtc aagtgttaaa acccgagggt tctttattca ttactacaat caacaaaaca 180
caactttcct atgccttggg aattgttttt tcagagcaca ttgcaggatg tgtaccacaa 240
ggtactcata catgggagaa gtttgtttca cctgaaacac tagagagcat tctggaatca 300
aatgagctgt caggttcaac agtgtgagga atgctctata accccttctc aggttactgt 360
cattggagcg aaaataccag ccttaactat gcagctcatg ctgcgaaatc caggggtccag 420
gaacacccac tctctgctga gtttgtttta caggg 455

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<211> 417
<212> DNA
<213> Homo sapien

<400> 3338
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tggagtgacc tgcctctact **tctgtggagga** **gggaacagcga** **aagactccta** **gccaggaggg** 180
cctgcccctg gagcatgtgg ctggggaccg gtgcatccac gaggacctgc tagggctgac 240
cttccggatc tctccacacg ctttcttcca ggtgaacaca cccgcagccg aggtgctcta 300
cacagtcatc caggactggg cccaattgga tgcggggagc atggtgctgg acgtgtgctg 360
tggcacccggc accattggcc tggccctggc ccggaaggta aagagggtca ttgtggt 417

<210> 3339
<211> 414
<212> DNA
<213> Homo sapien

<400> 3339
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<211> 387
<212> DNA
<213> Homo sapien

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gtgcggtgaa tgtggtagac tgcttcttct atgatggcat caaagccatc ttccagctgg 180
gactggctgt gcttgaggcc aatgctgagg acctgtgcag cagcaaggat gatggccagg 240
ccttgatgat cctcagcagg tttctagatc acattaagaa tgaggacagc ccagggcctc 300
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tttcggacct gatccgggat tcctatg 387

<210> 3341
<211> 415
<212> DNA
<213> Homo sapien

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atggggtacc agggcccgt gtgcactgac tgcattgacg gctacttcag ctgctccgg 180
aacgagacct acagcatctg cacagcctgt gacgagtcct gcaagacgtg ctggggcctg 240
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gatgtggacg agtgtgcggc cgagccgct cctgcagcgt ctgctcagtt ctgtaagaac 360
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 <212> DNA
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 ccagctggac cgctccatca aaggactgaa ggagcatttc cataagagca gttcttcctc 180
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 agtcaagcgg ccagggagag atgacatgct ggacgtggag accgatgcct acatccactg 300
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 <211> 374
 <212> DNA
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 ttctgccata acgagcgggt ggtcctgacg ggggactgga aacatggctt cttctcactg 180
 acagctgtgg gggccaccaa cgtgggctcc attcgcattc actttgaccg ggacctgcac 240
 acaaacagcc caaggcacag caagggtccc tacaatgact tcagcttcgt gacgcacacc 300
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<220>
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 <222> (1)...(405)
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cagatttggg aatctttgtc aagtccatta ttaatggagg agcagcatct aaagatggaa     180
ggcttcgggt gaatgatcaa ctgatagcag taaatggaga atccctgttg ggcaagacaa     240
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tgatccagct tattgttgca aggagaataa gcaagtgcaa tgagctgaag tcacctggga     360
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<210> 3346

<211> 410

<212> DNA

<213> Homo sapien

<400> 3346

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gtgctgcggt tccacctgct ggagctggag aagggtccacg acctgtgcga caacttctgt     180
caccgctaca tcacctgcct caagggaag atgcccacg acctgggtcat cgaggatcgg     240
gacggcgggt gcaggaggga cttcgaggac taccagcct cctgccccag cctcccagac     300
cagaataata tgtggattcg agaccatgag gatagtgggt ctgtacattt ggggacccca     360
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<210> 3347

<211> 408

<212> DNA

<213> Homo sapien

<400> 3347

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ccagataagt gacaagatca ccactcaaa gaacttcaag gagaatgtga ttcgccctat     180
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cctccccctt tgccactcgg agctcatcca actcgtcaac aaggaactaa acttctgggc     300
caagagagcc aagcaaaggc acaacatcac gctgctctgg gaccgcgagg tggcagatgt     360
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<210> 3348

<211> 417

<212> DNA

<213> Homo sapien

<400> 3348

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ggtgttgaag ggtgattttg atgcttgcga agagttgatt gaaaaggctg taaatgatgg     180
cttgttcaat cagtatatca gtcaacagga atataagcca cgatggagtc aaatcattcc     240
caaaagtacc aaaggatgat gggaagataa ccgtccagga atgagaggag gccatcagat     300

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ggttattgat gttcaaacag agactgttta tttgtttggt ggctgggatg gaacacaaga 360
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<210> 3349

<211> 426

<212> DNA

<213> Homo sapien

<400> 3349

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ttaccttgtt ttctgacctat cctgttccaa cagagccatt gcctattcct aaattgaatc 180
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aacatcccat gttaacagat attcatgaca agctgggtgt gaagggtgat tttgatgctt 180
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ataaccgtcc aggaatgaga ggaggccatc agatggttat tgatgttcaa acagagactg 360
tttatttgtt tgggtggctgg gatggaacac aagatcttgc tgacttctgg gcgtacagtg 420
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<211> 419

<212> DNA

<213> Homo sapien

<400> 3351

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cagttgttct ttttgccata actttctctg tgaagatgat caatttgagc atcaagccag 180
ctgccagggt ttagaggcag aaacatttaa atgtgtttca tgcaatcggc ttggtcagca 240
ctcatgtctc cgttgtaagg cttgtttctg tgatgatcat acaaggagca aagtgtttaa 300
gcaagaaaaa ggaaaacagc ctccctgtcc taaatgtggg catgaaactc atgagactaa 360
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PP01598 / 200130.512

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208	375509	RTA00002680F.e.08.2.P.Seq	F	M00039790B:D03	CH09LNL
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700	372898	RTA00002670F.i.03.2.P.Seq	F	M00033424D:H12	CH09LNL
701	373681	RTA00002671F.d.20.1.P.Seq	F	M00038272D:F11	CH09LNL
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761	374264	RTA00002671F.p.21.2.P.Seq	F	M00038620B:E09	CH09LNL
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818	375443	RTA00002676F.g.19.2.P.Seq	F	M00039298B:D03	CH09LNL
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992	373874	RTA00002672F.c.22.2.P.Seq	F	M00038663D:H10	CH09LNL
993	401050	RTA00002685F.e.09.2.P.Seq	F	M00039499C:A04	CH12EDT
994	453237	RTA00002693F.c.02.2.P.Seq	F	M00043108A:F06	CH19COP
995	449294	RTA00002690F.c.13.3.P.Seq	F	M00042770C:C04	CH16COP
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997	378014	RTA00002680F.g.17.2.P.Seq	F	M00039799A:D10	CH09LNL
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1005	403530	RTA00002688F.a.09.2.P.Seq	F	M00040368A:F01	CH14EDT
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1012	377085	RTA00002678F.n.14.2.P.Seq	F	M00039619B:D02	CH09LNL
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1017	377632	RTA00002683F.l.18.2.P.Seq	F	M00040087D:F08	CH09LNL
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1039	402555	RTA00002686F.m.14.1.P.Seq	F	M00040267C:C04	CH13EDT
1040	406092	RTA00002685F.k.11.1.P.Seq	F	M00039584C:C11	CH12EDT
1041	374351	RTA00002674F.i.20.1.P.Seq	F	M00039147A:F10	CH09LNL
1042	402365	RTA00002686F.j.08.1.P.Seq	F	M00040230A:H02	CH13EDT
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1115	454132	RTA00002693F.e.18.2.P.Seq	F	M00043191A:A07	CH19COP
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1172	401471	RTA00002685F.o.10.2.P.Seq	F	M00039629B:F01	CH12EDT
1173	404362	RTA00002687F.o.06.1.P.Seq	F	M00040342B:D12	CH14EDT
1174	403849	RTA00002687F.n.09.1.P.Seq	F	M00040333D:G05	CH14EDT
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1180	403898	RTA00002687F.a.05.1.P.Seq	F	M00039746C:H06	CH14EDT
1181	453512	RTA00002693F.a.21.2.P.Seq	F	M00043078D:D04	CH19COP
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1183	400973	RTA00002685F.c.06.2.P.Seq	F	M00039374C:H12	CH12EDT
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1186	454414	RTA00002693F.f.18.2.P.Seq	F	M00043220B:C04	CH19COP
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1192	403274	RTA00002687F.b.10.1.P.Seq	F	M00039766A:G07	CH14EDT
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1195	402241	RTA00002686F.l.16.1.P.Seq	F	M00040261C:F01	CH13EDT
1196	380451	RTA00002670F.p.12.1.P.Seq	F	M00033581D:D08	CH09LNL
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1198	374297	RTA00002672F.i.02.2.P.Seq	F	M00039013D:F02	CH09LNL
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1221	451718	RTA00002692F.e.24.1.P.Seq	F	M00043044B:A12	CH18CON
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1225	403541	RTA00002687F.p.20.1.P.Seq	F	M00040364A:E05	CH14EDT
1226	450773	RTA00002691F.d.24.3.P.Seq	F	M00043383D:A02	CH17COHLV
1227	376236	RTA00002685F.l.24.2.P.Seq	F	M00039595C:E05	CH12EDT
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1240	452077	RTA00002692F.c.24.2.P.Seq	F	M00043002A:E05	CH18CON
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1268	375483	RTA00002686F.n.14.1.P.Seq	F	M00040274A:D07	CH13EDT
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1275	379183	RTA00002679F.i.17.1.P.Seq	F	M00039688C:G06	CH09LNL
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1292	377949	RTA00002674F.p.04.1.P.Seq	F	M00039200A:C10	CH09LNL
1293	12926	RTA00002710F.e.21.1.P.Seq	F	M00022005C:C06	CH03MAH
1294	378242	RTA00002679F.c.20.2.P.Seq	F	M00039664D:G07	CH09LNL
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1296	453101	RTA00002693F.c.16.2.P.Seq	F	M00043143B:A10	CH19COP
1297	377592	RTA00002677F.l.12.2.P.Seq	F	M00039415D:E01	CH09LNL
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1302	374621	RTA00002675F.p.02.1.P.Seq	F	M00039263D:A12	CH09LNL
1303	19063	RTA00002708F.i.14.1.P.Seq	F	M00004361A:H02	CH01COH
1304	135941	RTA00002713F.g.06.1.P.Seq	F	M00027359B:G05	CH04MAL
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1306	375226	RTA00002677F.m.08.2.P.Seq	F	M00039417C:A01	CH09LNL
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1308	447978	RTA00002690F.d.11.3.P.Seq	F	M00042800A:A03	CH16COP
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1312	378364	RTA00002674F.o.17.1.P.Seq	F	M00039196D:A07	CH09LNL
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1314	403548	RTA00002688F.a.10.2.P.Seq	F	M00040368D:E09	CH14EDT
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1320	26017	RTA00002709F.d.04.1.P.Seq	F	M00005601D:D08	CH02COH
1321	380355	RTA00002670F.o.06.1.P.Seq	F	M00033570C:C10	CH09LNL
1322	25232	RTA00002710F.n.22.1.P.Seq	F	M00022667D:B02	CH03MAH
1323	378952	RTA00002683F.h.11.1.P.Seq	F	M00040070B:B07	CH09LNL
1324	404487	RTA00002687F.c.13.2.P.Seq	F	M00039943B:F10	CH14EDT
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1329	15203	RTA00002710F.a.21.1.P.Seq	F	M00007972B:H12	CH03MAH
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1337	379170	RTA00002672F.i.21.1.P.Seq	F	M00039016D:G06	CH09LNL
1338	179540	RTA00002683F.o.20.2.P.Seq	F	M00040100C:E05	CH09LNL
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1340	449832	RTA00002691F.e.13.2.P.Seq	F	M00043393A:B08	CH17COHLV
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1349	451379	RTA00002691F.b.12.3.P.Seq	F	M00043312C:E08	CH17COHLV
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1351	455957	RTA00002694F.c.15.1.P.Seq	F	M00043465C:A03	CH20COHLV
1352	428063	RTA00002666F.l.05.1.P.Seq	F	M00032638C:G08	CH08LNL
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1360	431346	RTA00002669F.g.24.2.P.Seq	F	M00033218A:C04	CH08LNL
1361	377206	RTA00002682F.m.14.1.P.Seq	F	M00040015C:F08	CH09LNL
1362	453036	RTA00002692F.b.11.2.P.Seq	F	M00042960D:H08	CH18CON
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1366	451438	RTA00002691F.d.23.3.P.Seq	F	M00043383C:F12	CH17COHLV
1367	379011	RTA00002681F.n.23.1.P.Seq	F	M00039903C:D01	CH09LNL
1368	404048	RTA00002687F.g.01.1.P.Seq	F	M00040206A:A07	CH14EDT
1369	404048	RTA00002687F.g.01.2.P.Seq	F	M00040206A:A07	CH14EDT
1370	452398	RTA00002692F.f.17.2.P.Seq	F	M00043125C:A11	CH18CON
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1375	450627	RTA00002691F.f.01.2.P.Seq	F	M00043405C:G02	CH17COHLV
1376	375589	RTA00002680F.f.06.2.P.Seq	F	M00039794A:E04	CH09LNL
1377	379011	RTA00002681F.n.23.2.P.Seq	F	M00039903C:D01	CH09LNL
1378	16789	RTA00002709F.b.09.1.P.Seq	F	M00005382B:F08	CH02COH
1379	427346	RTA00002665F.a.24.3.P.Seq	F	M00028066C:D07	CH08LNL
1380	49540	RTA00002712F.e.01.1.P.Seq	F	M00023399C:E10	CH04MAL
1381	14440	RTA00002674F.e.14.2.P.Seq	F	M00039129C:D04	CH09LNL
1382	391401	RTA00002682F.k.11.1.P.Seq	F	M00040004D:B03	CH09LNL
1383	43782	RTA00002662F.d.21.2.P.Seq	F	M00007165B:G11	CH02COH
1384	212635	RTA00002666F.p.01.1.P.Seq	F	M00032688D:D11	CH08LNL
1385	15618	RTA00002710F.o.05.1.P.Seq	F	M00022684A:C02	CH03MAH
1386	18501	RTA00002669F.g.23.3.P.Seq	F	M00033217B:H07	CH08LNL
1387	400310	RTA00002688F.b.05.2.P.Seq	F	M00040375C:B06	CH14EDT
1388	403796	RTA00002687F.h.17.1.P.Seq	F	M00040293D:G04	CH14EDT
1389	452314	RTA00002694F.a.21.1.P.Seq	F	M00043416C:A02	CH20COHLV
1390	119179	RTA00002712F.k.20.1.P.Seq	F	M00027021A:G02	CH04MAL
1391	167451	RTA00002663F.j.11.1.P.Seq	F	M00022646A:H10	CH03MAH
1392	450523	RTA00002691F.e.19.2.P.Seq	F	M00043401D:G08	CH17COHLV
1393	289535	RTA00002693F.f.06.1.P.Seq	F	M00043202B:F01	CH19COP
1394	374736	RTA00002673F.o.08.2.P.Seq	F	M00039112B:C05	CH09LNL
1395	378912	RTA00002672F.n.01.2.P.Seq	F	M00039036C:B05	CH09LNL
1396	134877	RTA00002662F.d.05.2.P.Seq	F	M00007026B:H09	CH02COH
1397	372811	RTA00002670F.c.12.2.P.Seq	F	M00033347C:F02	CH09LNL
1398	373296	RTA00002672F.e.08.2.P.Seq	F	M00038994A:A10	CH09LNL
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1400	452903	RTA00002692F.f.08.2.P.Seq	F	M00043060D:G12	CH18CON
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1403	212635	RTA00002666F.o.24.1.P.Seq	F	M00032688D:D11	CH08LNL
1404	452367	RTA00002692F.c.02.2.P.Seq	F	M00042976A:H04	CH18CON
1405	450627	RTA00002691F.e.24.1.P.Seq	F	M00043405C:G02	CH17COHLV
1406	186438	RTA00002713F.i.15.1.P.Seq	F	M00027462A:D07	CH04MAL
1407	431066	RTA00002669F.c.17.3.P.Seq	F	M00033189D:F08	CH08LNL
1408	378912	RTA00002672F.m.24.2.P.Seq	F	M00039036C:B05	CH09LNL
1409	15731	RTA00002709F.l.13.1.P.Seq	F	M00007116C:G02	CH02COH
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1413	379942	RTA00002679F.l.21.1.P.Seq	F	M00039707A:D02	CH09LNL
1414	375589	RTA00002680F.f.06.1.P.Seq	F	M00039794A:E04	CH09LNL
1415	375789	RTA00002674F.a.16.1.P.Seq	F	M00039120C:H03	CH09LNL
1416	456227	RTA00002694F.c.16.1.P.Seq	F	M00043465C:C09	CH20COHLV
1417	455852	RTA00002694F.a.02.1.P.Seq	F	M00042592A:H10	CH20COHLV
1418	25169	RTA00002710F.m.05.1.P.Seq	F	M00022579C:C11	CH03MAH
1419	376524	RTA00002678F.h.23.2.P.Seq	F	M00039477A:B03	CH09LNL
1420	449562	RTA00002690F.b.13.2.P.Seq	F	M00042515C:F08	CH16COP
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1424	380322	RTA00002683F.p.21.1.P.Seq	F	M00040106B:B09	CH09LNL
1425	401603	RTA00002685F.f.23.2.P.Seq	F	M00039510C:G02	CH12EDT
1426	376541	RTA00002678F.d.13.2.P.Seq	F	M00039456A:C08	CH09LNL
1427	449123	RTA00002690F.a.13.3.P.Seq	F	M00042435A:A11	CH16COP
1428	418358	RTA00002686F.m.07.1.P.Seq	F	M00040265D:B07	CH13EDT
1429	380263	RTA00002689F.a.22.1.P.Seq	F	M00042543C:G04	CH15CON
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1431	451679	RTA00002693F.a.04.2.P.Seq	F	M00042612D:F06	CH19COP
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1435	402494	RTA00002686F.h.16.1.P.Seq	F	M00040191A:B09	CH13EDT
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1463	423432	RTA00002687F.l.10.2.P.Seq	F	M00040323C:G11	CH14EDT
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1473	379721	RTA00002676F.b.20.2.P.Seq	F	M00039276B:H09	CH09LNL
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1477	373787	RTA00002677F.l.04.2.P.Seq	F	M00039414D:G03	CH09LNL
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1591	446923	RTA00002690F.d.05.3.P.Seq	F	M00042788C:F11	CH16COP
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1689	378947	RTA00002683F.o.12.1.P.Seq	F	M00040098C:B01	CH09LNL
1690	20733	RTA00002710F.j.19.1.P.Seq	F	M00022421B:C11	CH03MAH
1691	403471	RTA00002687F.a.14.2.P.Seq	F	M00039749D:D05	CH14EDT
1692	43568	RTA00002709F.a.10.1.P.Seq	F	M00005018A:B05	CH02COH
1693	380354	RTA00002670F.n.23.2.P.Seq	F	M00033570B:C08	CH09LNL
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1697	379896	RTA00002680F.a.24.2.P.Seq	F	M00039774C:C09	CH09LNL
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1738	373347	RTA00002674F.o.07.1.P.Seq	F	M00039180A:A07	CH09LNL
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1743	22651	RTA00002708F.f.13.1.P.Seq	F	M00004144A:H05	CH01COH
1744	376151	RTA00002675F.n.04.1.P.Seq	F	M00039255C:E12	CH09LNL
1745	377183	RTA00002683F.e.15.1.P.Seq	F	M00040052D:F12	CH09LNL
1746	379094	RTA00002672F.o.07.2.P.Seq	F	M00039043B:E01	CH09LNL
1747	38891	RTA00002677F.h.24.2.P.Seq	F	M00039401B:D02	CH09LNL

1748	378308	RTA00002680F.l.15.2.P.Seq	F	M00039820A:H11	CH09LNL
1749	376933	RTA00002683F.f.08.2.P.Seq	F	M00040055D:A06	CH09LNL
1750	44295	RTA00002663F.f.17.1.P.Seq	F	M00022264B:G10	CH03MAH
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1764	446139	RTA00002689F.b.13.3.P.Seq	F	M00042565C:A08	CH15CON
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1769	428500	RTA00002665F.p.06.1.P.Seq	F	M00032508B:H03	CH08LNH
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1771	378911	RTA00002672F.n.24.2.P.Seq	F	M00039042B:B02	CH09LNL
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1783	376990	RTA00002683F.f.09.2.P.Seq	F	M00040055D:B01	CH09LNL
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1794	189139	RTA00002664F.b.14.1.P.Seq	F	M00026851B:F01	CH04MAL
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1815	119478	RTA00002686F.n.07.1.P.Seq	F	M00040271C:D08	CH13EDT
1816	403189	RTA00002687F.g.16.2.P.Seq	F	M00040217D:B07	CH14EDT
1817	129692	RTA00002679F.e.13.1.P.Seq	F	M00039673A:F09	CH09LNL
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1821	373198	RTA00002670F.o.24.2.P.Seq	F	M00033578D:G02	CH09LNL
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1828	430975	RTA00002669F.j.06.3.P.Seq	F	M00033246C:E08	CH08LNH
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1830	401155	RTA00002685F.o.12.1.P.Seq	F	M00039630A:C08	CH12EDT
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1845	279885	RTA00002671F.f.05.2.P.Seq	F	M00038279C:A11	CH09LNL

1846	188592	RTA00002664F.e.18.2.P.Seq	F	M00027141C:H03	CH04MAL
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Table 2

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4	10924	RTA00002907F.k.12.1.P.Seq	F	M00022224A:C07	CH03MAH
5	45331	RTA00002903F.l.10.1.P.Seq	F	M00007037D:D10	CH02COH
6	42233	RTA00002912F.g.24.1.P.Seq	F	M00027359B:A06	CH04MAL
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705	33658	RTA00002886F.j.07.1.P.Seq	F	M00001361B:A12	CH01COH
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1108	34364	RTA00002915F.o.09.2.P.Seq	F	M00032515A:B12	CH08LNH
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1127	4277	RTA00002927F.h.13.1.P.Seq	F	M00039642A:A08	CH12EDT
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1154	10430	RTA00002894F.g.21.1.P.Seq	F	M00003996B:H07	CH01COH
1155	31280	RTA00002903F.k.08.1.P.Seq	F	M00007007A:E04	CH02COH
1156	19098	RTA00002925F.e.23.1.P.Seq	F	M00039861C:B12	CH09LNL
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1168	45734	RTA00002901F.j.14.1.P.Seq	F	M00005569D:G09	CH02COH
1169	12362	RTA00002929F.i.01.1.P.Seq	F	M00040391A:G05	CH14EDT
1170	9405	RTA00002892F.k.04.1.P.Seq	F	M00003830C:D02	CH01COH
1171	6507	RTA00002922F.o.05.1.P.Seq	F	M00039140A:F05	CH09LNL
1172	10735	RTA00002925F.b.24.1.P.Seq	F	M00039822A:H02	CH09LNL
1173	21177	RTA00002935F.d.18.1.P.Seq	F	M00054542B:A10	CH17COHLV
1174	14950	RTA00002894F.m.18.1.P.Seq	F	M00004047D:F12	CH01COH
1175	10762	RTA00002917F.o.08.1.P.Seq	F	M00032793A:G06	CH08LNL
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1193	1568	RTA00002928F.d.10.1.P.Seq	F	M00040174D:G06	CH13EDT
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1207	10735	RTA00002925F.c.01.1.P.Seq	F	M00039822A:H02	CH09LNL
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1214	25563	RTA00002891F.b.23.1.P.Seq	F	M00001675B:D06	CH01COH
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1246	20293	RTA00002888F.j.20.1.P.Seq	F	M00001477D:G09	CH01COH
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1248	2700	RTA00002889F.e.21.1.P.Seq	F	M00001539C:F12	CH01COH
1249	25891	RTA00002909F.p.23.1.P.Seq	F	M00022740C:H11	CH03MAH
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1264	2252	RTA00002886F.k.24.1.P.Seq	F	M00001368A:A08	CH01COH
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1266	21795	RTA00002901F.b.16.1.P.Seq	F	M00005442A:B10	CH02COH
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1268	5565	RTA00002930F.c.02.1.P.Seq	F	M00042908A:F09	CH15CON
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1309	16	RTA00002935F.a.06.1.P.Seq	F	M00042449B:F05	CH17COHLV
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1314	6237	RTA00002935F.f.14.1.P.Seq	F	M00054686A:F10	CH17COHLV
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1317	13193	RTA00002886F.l.16.1.P.Seq	F	M00001369A:G06	CH01COH
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1321	21798	RTA00002932F.b.12.1.P.Seq	F	M00043016B:F09	CH18CON
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1330	111888	RTA00002902F.h.08.1.P.Seq	F	M00006678C:C02	CH02COH
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1335	1425	RTA00002916F.b.19.1.P.Seq	F	M00032541C:G03	CH08LNH
1336	186061	RTA00002911F.e.24.1.P.Seq	F	M00026900A:H07	CH04MAL
1337	20717	RTA00002907F.o.19.1.P.Seq	F	M00022273A:E03	CH03MAH
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1342	6806	RTA00002928F.d.02.1.P.Seq	F	M00040169A:G06	CH13EDT
1343	13146	RTA00002892F.f.10.2.P.Seq	F	M00003814A:G05	CH01COH
1344	16686	RTA00002919F.f.14.1.P.Seq	F	M00033072A:A09	CH08LNH
1345	6823	RTA00002888F.a.04.1.P.Seq	F	M00001433B:E02	CH01COH
1346	43029	RTA00002897F.d.03.1.P.Seq	F	M00004225D:E03	CH01COH
1347	14789	RTA00002935F.k.11.1.P.Seq	F	M00055055C:F01	CH17COHLV
1348	186061	RTA00002911F.f.01.1.P.Seq	F	M00026900A:H07	CH04MAL
1349	12823	RTA00002921F.g.24.1.P.Seq	F	M00033434D:F05	CH09LNL
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1354	25441	RTA00002906F.i.08.1.P.Seq	F	M00021981A:C02	CH03MAH
1355	4303	RTA00002897F.o.20.1.P.Seq	F	M00004295D:C07	CH01COH
1356	5741	RTA00002887F.c.19.1.P.Seq	F	M00001390D:E02	CH01COH
1357	17264	RTA00002900F.a.18.1.P.Seq	F	M00004831C:G11	CH02COH
1358	11766	RTA00002925F.f.20.1.P.Seq	F	M00039871C:G05	CH09LNL
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1362	17412	RTA00002932F.b.11.1.P.Seq	F	M00043015D:D05	CH18CON
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1367	186538	RTA00002929F.e.18.1.P.Seq	F	M00040329A:H05	CH14EDT
1368	25427	RTA00002935F.n.20.1.P.Seq	F	M00055337B:C04	CH17COHLV
1369	24098	RTA00002901F.a.10.1.P.Seq	F	M00005422D:H02	CH02COH
1370	123823	RTA00002905F.h.08.1.P.Seq	F	M00008071D:H03	CH03MAH
1371	3644	RTA00002901F.c.03.1.P.Seq	F	M00005445D:D04	CH02COH
1372	27783	RTA00002917F.a.17.1.P.Seq	F	M00032666A:C02	CH08LNH
1373	1682	RTA00002910F.b.03.1.P.Seq	F	M00022801D:D09	CH03MAH
1374	3200	RTA00002887F.e.07.1.P.Seq	F	M00001393C:F04	CH01COH
1375	8442	RTA00002917F.h.23.1.P.Seq	F	M00032734B:E12	CH08LNH
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1387	17156	RTA00002934F.a.08.1.P.Seq	F	M00043455B:C08	CH20COHLV
1388	4593	RTA00002896F.o.18.1.P.Seq	F	M00004200C:A04	CH01COH
1389	2178	RTA00002901F.m.08.1.P.Seq	F	M00005626D:G11	CH02COH
1390	1015	RTA00002933F.c.11.1.P.Seq	F	M00043213A:D05	CH19COP
1391	26792	RTA00002907F.a.18.1.P.Seq	F	M00022103C:D05	CH03MAH
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1393	14648	RTA00002898F.j.11.1.P.Seq	F	M00004365C:G11	CH01COH
1394	12585	RTA00002897F.i.20.1.P.Seq	F	M00004269A:F11	CH01COH
1395	15825	RTA00002916F.d.12.1.P.Seq	F	M00032553A:A07	CH08LNH
1396	7043	RTA00002900F.h.07.1.P.Seq	F	M00005014B:F02	CH02COH
1397	29354	RTA00002905F.c.13.1.P.Seq	F	M00007981C:F07	CH03MAH
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1408	34505	RTA00002901F.a.16.1.P.Seq	F	M00005423C:A10	CH02COH
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1414	15333	RTA00002888F.c.12.1.P.Seq	F	M00001442C:G12	CH01COH
1415	44436	RTA00002907F.b.17.1.P.Seq	F	M00022117C:A02	CH03MAH
1416	9247	RTA00002930F.a.16.1.P.Seq	F	M00042560C:G06	CH15CON
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1422	24898	RTA00002903F.k.17.1.P.Seq	F	M00007019B:E01	CH02COH
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1429	3991	RTA00002896F.h.05.1.P.Seq	F	M00004162D:F02	CH01COH
1430	20358	RTA00002908F.b.06.1.P.Seq	F	M00022367D:G11	CH03MAH
1431	12823	RTA00002921F.h.01.1.P.Seq	F	M00033434D:F05	CH09LNL
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1444	8743	RTA00002907F.n.19.1.P.Seq	F	M00022262A:F06	CH03MAH
1445	22251	RTA00002926F.c.10.2.P.Seq	F	M00040079B:F06	CH09LNL
1446	12337	RTA00002928F.d.07.1.P.Seq	F	M00040173D:A04	CH13EDT
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1455	21581	RTA00002902F.c.05.1.P.Seq	F	M00005822C:A04	CH02COH
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1460	15490	RTA00002925F.k.08.1.P.Seq	F	M00039932B:A07	CH09LNL
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1462	19688	RTA00002896F.l.02.1.P.Seq	F	M00004179D:A12	CH01COH
1463	15132	RTA00002922F.n.20.1.P.Seq	F	M00039138B:G05	CH09LNL
1464	25022	RTA00002914F.i.21.1.P.Seq	F	M00028219B:H05	CH08LNL
1465	16303	RTA00002888F.b.12.1.P.Seq	F	M00001438A:E01	CH01COH
1466	16828	RTA00002897F.b.04.1.P.Seq	F	M00004214A:E05	CH01COH
1467	14295	RTA00002921F.a.18.1.P.Seq	F	M00033296C:C11	CH09LNL
1468	1979	RTA00002930F.f.06.1.P.Seq	F	M00055725D:D09	CH15CON
1469	36248	RTA00002888F.g.05.1.P.Seq	F	M00001460C:E10	CH01COH
1470	5676	RTA00002926F.b.22.2.P.Seq	F	M00040075B:A05	CH09LNL
1471	1239	RTA00002887F.o.21.1.P.Seq	F	M00001428B:C10	CH01COH
1472	7937	RTA00002917F.g.22.1.P.Seq	F	M00032728D:F01	CH08LNL
1473	4483	RTA00002911F.d.22.2.P.Seq	F	M00026856B:G03	CH04MAL
1474	7796	RTA00002925F.c.05.1.P.Seq	F	M00039826B:F09	CH09LNL
1475	17330	RTA00002915F.a.03.1.P.Seq	F	M00028616C:D09	CH08LNL
1476	25620	RTA00002902F.f.09.1.P.Seq	F	M00006631C:A04	CH02COH
1477	20601	RTA00002923F.l.20.1.P.Seq	F	M00039326A:G07	CH09LNL
1478	6205	RTA00002923F.g.21.1.P.Seq	F	M00039258C:C01	CH09LNL
1479	726	RTA00002913F.b.16.1.P.Seq	F	M00027734D:C03	CH04MAL
1480	104999	RTA00002908F.g.17.1.P.Seq	F	M00022435B:G12	CH03MAH
1481	30321	RTA00002919F.o.17.1.P.Seq	F	M00033264B:E06	CH08LNL
1482	5878	RTA00002913F.a.16.1.P.Seq	F	M00027688C:C01	CH04MAL
1483	5944	RTA00002905F.m.07.1.P.Seq	F	M00021649B:A02	CH03MAH
1484	5796	RTA00002908F.i.21.1.P.Seq	F	M00022457A:G05	CH03MAH
1485	3804	RTA00002935F.m.24.1.P.Seq	F	M00055254A:H03	CH17COHLV
1486	2728	RTA00002918F.a.22.1.P.Seq	F	M00032828A:A06	CH08LNL
1487	3804	RTA00002935F.n.01.1.P.Seq	F	M00055254A:H03	CH17COHLV
1488	3932	RTA00002915F.o.19.2.P.Seq	F	M00032517C:E10	CH08LNL
1489	16691	RTA00002891F.o.03.1.P.Seq	F	M00003780A:G01	CH01COH
1490	15430	RTA00002900F.g.10.1.P.Seq	F	M00005003D:C02	CH02COH
1491	5637	RTA00002925F.b.18.1.P.Seq	F	M00039820B:F06	CH09LNL
1492	16633	RTA00002897F.g.15.1.P.Seq	F	M00004246B:H07	CH01COH
1493	21826	RTA00002898F.g.06.1.P.Seq	F	M00004344A:G11	CH01COH
1494	22193	RTA00002919F.i.09.1.P.Seq	F	M00033146D:A03	CH08LNL
1495	10720	RTA00002898F.c.14.1.P.Seq	F	M00004320C:E07	CH01COH
1496	22491	RTA00002925F.m.06.1.P.Seq	F	M00040003A:G10	CH09LNL
1497	10423	RTA00002915F.n.13.2.P.Seq	F	M00032507D:G08	CH08LNL
1498	4953	RTA00002916F.h.11.1.P.Seq	F	M00032586C:B04	CH08LNL
1499	185567	RTA00002911F.p.08.1.P.Seq	F	M00027178B:A11	CH04MAL
1500	25605	RTA00002924F.m.22.1.P.Seq	F	M00039710B:A01	CH09LNL

SEQ ID	CLUSTER	SEQ NAME	ORIENTATION	CLONE ID	LIBRARY
1501	29446	RTA00002906F.m.24.1.P.Seq	F	M00022070B:B04	CH03MAH
1502	9668	RTA00002908F.g.02.1.P.Seq	F	M00022421A:F12	CH03MAH
1503	29446	RTA00002906F.n.01.1.P.Seq	F	M00022070B:B04	CH03MAH
1504	7171	RTA00002887F.m.22.1.P.Seq	F	M00001421B:E07	CH01COH

PP01598 / 200130.512

Table 3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
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2	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
3	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
6	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
7	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
8	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
9	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
10	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
11	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
12	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
13	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
14	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
15	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
16	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
17	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
18	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
19	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
20	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
21	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
22	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
23	<NONE>	<NONE>	<NONE>	548562	GENOME POLYPROTEIN [CONTAINS: RNA REPLICASE ; HELICASE; COAT PROTEIN] 2.7.7.48) - apple stem grooving virus (strain P-209)	9.2
24	<NONE>	<NONE>	<NONE>	416959	EXCISION REPAIR PROTEIN ERCC-6 DNA repair helicase ERCC6 - human >gi 182181 (L04791) excision repair protein [Homo sapiens]	8.9
25	<NONE>	<NONE>	<NONE>	3327096	(AB014541) KIAA0641 protein [Homo sapiens]	8.7
26	<NONE>	<NONE>	<NONE>	861293	(U28741) F35D2.1 gene product [Caenorhabditis elegans]	7.9
27	<NONE>	<NONE>	<NONE>	3297821	(AL031032) extensin-like protein	5.5
28	<NONE>	<NONE>	<NONE>	2119692	transforming growth factor-beta type III receptor - chicken >gi 511843 (L01121)	5.1
29	<NONE>	<NONE>	<NONE>	2136028	transforming growth factor-beta type III receptor [Gallus gallus] protein kinase PRK1 - human	5.0

This table was generated by the BLAST program using the following parameters:

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
30	<NONE>	<NONE>	<NONE>	2746912	(AF040659) No definition line found [Caenorhabditis elegans]	4.6
31	<NONE>	<NONE>	<NONE>	2358287	(AF010404) ALR [Homo sapiens]	4.5
32	<NONE>	<NONE>	<NONE>	3877816	(Z96048) predicted using Genefinder; cDNA EST EMBL:D65516 comes from this gene; cDNA EST yk191a5.5 comes from this gene [Caenorhabditis elegans]	4.4
33	<NONE>	<NONE>	<NONE>	4140268	(Y14953) SRCR domain, membrane form 2	4.1
34	<NONE>	<NONE>	<NONE>	1708663	(U51183) transposase [Hydra vulgaris]	4.0
35	<NONE>	<NONE>	<NONE>	1184100	(U45958) pistil extensin-like protein [Nicotiana glauca]	3.9
36	<NONE>	<NONE>	<NONE>	121073	GLUCOCORTICOID RECEPTOR (GR)	3.9
37	<NONE>	<NONE>	<NONE>	1718298	(U75698) ORF 45; contains an extended acidic domain; EBV BKRF4 homolog [Kaposi's sarcoma-associated herpesvirus] homolog, conserved in other gamma-herpesviruses	2.6
38	<NONE>	<NONE>	<NONE>	2352538	(AF006564) alcohol dehydrogenase [Drosophila persimilis] persimilis]	1.4
39	<NONE>	<NONE>	<NONE>	3192897	(AF066071) SP85; PsB [Dictyostelium discoideum]	1.4
40	<NONE>	<NONE>	<NONE>	561645	(L33421) This CDS feature is included to show the translation of the corresponding V_region. Presently translation qualifiers on V_region features are illegal	1.0
41	<NONE>	<NONE>	<NONE>	3878857	(Z83120) predicted using Genefinder; cDNA EST EMBL:D35016 comes from this gene; cDNA EST EMBL:D32583 comes from this gene; cDNA EST EMBL:D35258 comes from this gene; cDNA EST EMBL:C11471 comes from this gene; cDNA EST EMBL:C...	1.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
42	<NONE>	<NONE>	<NONE>	1658571	(U75903) UGT1A7 [Rattus norvegicus]	1.0
43	<NONE>	<NONE>	<NONE>	2338034	(AF005370) putative immediate early protein [Alcelaphine herpesvirus 1]	0.86
44	<NONE>	<NONE>	<NONE>	3043714	(AB011167) KIAA0595 protein [Homo sapiens]	0.42
45	<NONE>	<NONE>	<NONE>	1723710	HYPOTHETICAL 92.7 KD PROTEIN IN ASN2-PHB1 INTERGENIC REGION >gi 2131678 pir S64439 hypothetical protein YGR130c - yeast (Saccharomyces cerevisiae) >gi 1323215 gnl PID e243523 (Z72915) ORF YGR130c [Saccharomyces cerevisiae]	0.40
46	<NONE>	<NONE>	<NONE>	1723710	HYPOTHETICAL 92.7 KD PROTEIN IN ASN2-PHB1 INTERGENIC REGION >gi 2131678 pir S64439 hypothetical protein YGR130c - yeast (Saccharomyces cerevisiae) >gi 1323215 gnl PID e243523 (Z72915) ORF YGR130c [Saccharomyces cerevisiae]	0.38
47	<NONE>	<NONE>	<NONE>	2996117	(AF046125) immediate early 2 [Rat cytomegalovirus]	0.26
48	<NONE>	<NONE>	<NONE>	4151809	(AF102855) synaptic SAPAP-interacting protein Synamon	0.024
49	<NONE>	<NONE>	<NONE>	2773341	(AF040954) putative protein phosphatase 1 nuclear targeting subunit [Rattus norvegicus]	0.017
50	<NONE>	<NONE>	<NONE>	1653522	(D90914) hypothetical protein	3e-04
51	<NONE>	<NONE>	<NONE>	3219965	HYPOTHETICAL 100.6 KD TRP-ASP REPEATS CONTAINING PROTEIN C2C6.04C IN CHROMOSOME I	3e-06
52	<NONE>	<NONE>	<NONE>	4185567	(AF115480) cAMP-dependent Rap1 guanine-nucleotide exchange factor [Mus musculus]	7e-07

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					HYPOTHETICAL 43.2 KD	
53	<NONE>	<NONE>	<NONE>	1176527	PROTEIN C34E10.1 IN CHROMOSOME III >gi 500724 (U10402) C34E10.1 gene product [Caenorhabditis elegans]	3e-20
54	X85444	G.pallida repetitive DNA element	5.0	2118936	beta-globin - chimpanzee (fragment)	8.6
55	X72961	Synechococcus sp. cpeB, cpeA genes and ORF3	5.0	462569	MICROTUBULE-ASSOCIATED PROTEIN 1A microtubule-associated protein MAP1A - rat >gi 205538 norvegicus]	2.2
56	U94747	Human WD repeat protein HAN11 mRNA, complete cds	5.0	3875538	(Z67990) similar to cuticle collagen	1.3
57	AF032108	Homo sapiens integrin alpha-7 mRNA, complete cds	5.0	2147194	collagen - Paralvinella grasslei	0.002
58	Z50798	G.gallus mRNA for p52	5.0	3122885	ASPARTYL-TRNA SYNTHETASE synthetase [Bacillus subtilis]	3e-11
59	AB002384	Human mRNA for KIAA0386 gene, complete cds	5.0	2632098	(Y15513) Prodos protein [Drosophila melanogaster]	9e-12
60	X14835	Thermofilum pendens DNA for 16S and 23S ribosomal RNA, tRNA-Met, and tRNA Gly	4.9	<NONE>	<NONE>	<NONE>
61	U87149	Hordeum vulgare nucellin gene, complete cds	4.9	128578	NONSTRUCTURAL PROTEIN NS-S spotted wilt virus (strain CPNH1) non-structural protein [Tomato spotted wilt virus]	2.8
62	D87541	Mus musculus gene for integrin alpha v subunit, promoter region	4.9	136956	HYPOTHETICAL PROTEIN UL61 cytomegalovirus (strain AD169) cytomegalovirus]	0.038
63	U72520	Mus musculus mena protein (Mena) mRNA, complete cds	4.9	3413892	(AB007934) KIAA0465 protein [Homo sapiens]	6e-07

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
64	S79797	enzymatic glycosylation-regulating gene [rats, Sprague-Dawley, streptozotocin diabetic, heart, mRNA, 5010 nt]	4.8	<NONE>	<NONE>	<NONE>
65	AB011102	Homo sapiens mRNA for KIAA0530 protein, partial cds	4.8	138022	RECEPTOR RECOGNIZING PROTEIN gp38 - phage OX2 >gi 15126 (X05675) gene 38 (AA 1-266); pid:g15126 [Bacteriophage OX2]	3.6
66	AF100985	Penaeus monodon phosphopyruvate hydratase mRNA, complete cds	4.8	500615	(D16221) endochitinase [Oryza sativa]	2.8
67	U31756	Bacillus subtilis gamma-aminobutyrate permease cds	4.8	3880699	(AL021471) similar to Eukaryotic aspartyl proteases [Caenorhabditis elegans] Eukaryotic aspartyl proteases [Caenorhabditis elegans]	2.8
68	U25111	Pisum sativum chloroplast processing enzyme mRNA, nuclear gene encoding chloroplast protein, complete cds.	4.8	1800145	(U83658) FH1/FH2 protein homolog [Emericella nidulans]	1.6
69	U00454	Mus musculus Cdx-2 homeobox protein gene, complete cds.	4.7	<NONE>	<NONE>	<NONE>
70	M84166	Hamster c-Ha-ras protein gene, complete cds.	4.7	1710606	RENIN-BINDING PROTEIN (RNBP) protein [Rattus norvegicus]	0.88
71	AF087516	Mus musculus major sperm fibrous sheath protein Pro-mAKAP82 gene, alternative splice exons 1' and 1"	4.6	<NONE>	<NONE>	<NONE>
72	X74160	M.esculenta mRNA for granule-bound starch synthase	4.6	<NONE>	<NONE>	<NONE>
73	M97487	Haloferax volcanii superoxide dismutase (sod2) gene, complete cds.	4.6	2623307	(AC002409) putative ubiquitin protease [Arabidopsis thaliana]	3.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		<i>Drosophila</i>				
74	M57889	melanogaster suppressor of sable gene, complete cds.	4.5	<NONE>	<NONE>	<NONE>
75	D49708	Rattus norvegicus mRNA for RNA binding protein	4.5	<NONE>	<NONE>	<NONE>
76	D31853	Yeast GTS1 gene for glycyl-threonin/serine repeat protein, complete cds	4.5	2447195	(U42580) NETTF (7x), DETTS (4x) [Paramecium bursaria Chlorella virus 1]	3.3
77	Z47036	Human partial cDNA sequence, clone bs613;	2.9	<NONE>	<NONE>	<NONE>
78	L19660	Rattus norvegicus gastric inhibitory peptide receptor mRNA, complete cds	2.7	2358279	(AF007871) torsinA [Homo sapiens]	2e-07
79	X82841	A.thaliana Aco gene	2.6	483212	immediate-early protein IE110 - human herpesvirus 1 (strain HFEM) (fragment)	8.4
80	X61931	S.purpurascens famA and famB genes for FAS domain and acyl-CoA-dehydrogenases, respectively	2.6	2290534	(U95031) sublingual gland mucin [Homo sapiens]	0.47
81	U13680	Human lactate dehydrogenase-C (LDH-C) mRNA, complete cds.	2.5	2887449	(AB007874) KIAA0414 [Homo sapiens]	3.1
82	AB007869	Homo sapiens KIAA0409 mRNA, partial cds	2.4	3130157	(AB008859) pheromone receptor [Fugu rubripes]	5.4
83	X97479	H.sapiens mas proto-oncogene, 5' region	2.1	<NONE>	<NONE>	<NONE>
84	X98374	R.norvegicus mRNA for KIS protein	1.9	<NONE>	<NONE>	<NONE>
85	AE000710	Aquifex aeolicus section 42 of 109 of the complete genome	1.9	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens mRNA				
86	D30612	for repressor protein, partial cds	1.9	<NONE>	<NONE>	<NONE>
87	Y14321	Homo sapiens PMP69 gene, exons 8,9,10 & 11	1.9	<NONE>	<NONE>	<NONE>
88	D90773	E.coli genomic DNA, Kohara clone #262(30.3-30.5 min.)	1.9	1536816	(D78305) DNA binding protein [Chlorella virus]	7.9
89	AE000991	Archaeoglobus fulgidus section 116 of 172 of the complete genome	1.9	520645	(X79095) pyruvate,orthophosphate dikinase [Flaveria trinervia]	2.7
90	U39476	Rattus norvegicus p95 Vav (Vav) proto-oncogene mRNA, complete cds.	1.9	4158178	(AL023496) hypothetical protein	1.6
91	U28838	Human transcription factor TFIIIB 90 kDa subunit	1.9	2495730	HYPOTHETICAL PROLINE-RICH PROTEIN KIAA0269 >gi 1665805 gnl PID d1014089 (D87459) Similar to Volbox carteri extensin (S22697) [Homo sapiens]	0.23
92	U20106	Rattus norvegicus synaptotagmin VII mRNA, complete cds.	1.9	478380	UL47h protein - Marek's disease virus	0.23
93	AF071010	Mouse mammary tumor virus putative integrase, env polyprotein, and superantigen mRNA, complete cds	1.9	2781386	(AC004010) similar to Leucine-rich transmembrane proteins; 44% similarity to U42767 (PID:g1736918) [Homo sapiens]	4e-33
94	AF061881	Mesocricetus auratus c-fos proto-oncogene protein (c-fos) gene, complete cds	1.8	<NONE>	<NONE>	<NONE>
95	AE001397	Plasmodium falciparum chromosome 2, section 34 of 73 of the complete sequence	1.8	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
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		Horseshoe crab				
96	D14701	mRNA for coagulation factor B, complete cds	1.8	<NONE>	<NONE>	<NONE>
97	M29154	P.falciparum multidrug resistance (MDR) gene, complete cds.	1.8	<NONE>	<NONE>	<NONE>
98	L16532	Rattus norvegicus (clone pCNPII) 2',3'-cyclic nucleotide 3'-phosphodiesterase (CNPII) mRNA, complete cds.	1.8	<NONE>	<NONE>	<NONE>
99	AE001434	Plasmodium falciparum chromosome 2, section 71 of 73 of the complete sequence	1.8	<NONE>	<NONE>	<NONE>
100	Z46785	D.melanogaster gene for protamine (mst35Bb).	1.8	<NONE>	<NONE>	<NONE>
101	X69822	P.sylvestris mRNA for glutamine synthetase	1.8	219896	(D90452) I-caldesmon I [Homo sapiens]	9.7
102	U49055	Rattus norvegicus CTD-binding SR-like protein rA8 mRNA, complete cds	1.8	2497252	INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 4 (IGFBP-4) (IBP-4) (IGF-BINDING PROTEIN 4) factor-binding protein-4 - sheep (fragment) factor-binding protein-4, IGFBP-4 [sheep, liver, Peptide, 237 aa] [Ovis aries]	2.5
103	L28101	Homo sapiens kallistatin (PI4) gene, exons 1-4, complete cds	1.8	4204267	(AC005223) 55585 [Arabidopsis thaliana]	2.4
104	U66987	Pandorina morum internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence	1.8	2635909	(Z99121) permease [Bacillus subtilis]	1.9

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human polymorphic				
105	X58033	MspI site DNA (D3S3 locus)	1.8	2136878	keratin KAP5.5 - sheep (fragment) >gi 313722	0.65
106	U15780	Human p82 (ST5) mRNA, alternatively spliced, complete cds	1.8	3638957	(AC004877) sco-spondin-mucin-like; similar to P98167 uncertain [Homo sapiens]	0.64
107	AF038535	Homo sapiens synaptotagmin VII mRNA, partial cds	1.8	457927	(U00690) calcium channel alpha-1 subunit [Drosophila melanogaster]	0.51
108	AF052134	Homo sapiens clone 23585 mRNA sequence	1.8	232263	HOMEBOX PROTEIN HOX-D1 (HOX-4.9)	0.28
109	X75208	H.sapiens HEK2 mRNA for protein tyrosine kinase receptor.	1.8	1730198	GROWTH-ARREST-SPECIFIC PROTEIN 1 gene product [Homo sapiens]	0.22
110	AB013896	Xenopus laevis mRNA for SOX-D, complete cds	1.8	2494501	TRANSCRIPTION FACTOR FKH-4 factor [Mus musculus]	0.17
111	D16947	Human HepG2 3' region cDNA, clone hmd6b10	1.8	3413870	(AB007923) KIAA0454 protein [Homo sapiens]	0.002
112	D13547	Mouse DNA, T early alpha (TEA) region	1.8	3393018	(AL031174) hypothetical protein	5e-08
113	M35498	Woodchuck c-myc protein gene, exon 1.	1.8	3183405	HYPOTHETICAL 11.3 KD PROTEIN C2C6.07 IN CHROMOSOME I >gi 2370504 gnl PID e339194 pombe] >gi 3451305 gnl PID e1316730 (AL031324) very hypothetical protein [Schizosaccharomyces pombe]	8e-10
114	M84166	Hamster c-Ha-ras protein gene, complete cds.	1.8	3386622	(AC004665) unknown protein [Arabidopsis thaliana]	2e-10
115	U33135	Mychodea carnosia 18S ribosomal RNA gene, complete sequence	1.8	3334982	(AC005306) R27216_1 [Homo sapiens]	3e-22
116	U84003	Homo sapiens putative tumor suppressor (BIN1) gene, exons 7-12	1.7	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
117	AE001121	Borrelia burgdorferi (section 7 of 70) of the complete genome	1.7	<NONE>	<NONE>	<NONE>
118	AE001114	Archaeoglobus fulgidus section 165 of 172 of the complete genome	1.7	<NONE>	<NONE>	<NONE>
119	U82064	Angiostrongylus cantonensis adult-specific muscle protein-1 gene, partial cds	1.7	<NONE>	<NONE>	<NONE>
120	AF041836	Buchnera aphidicola plasmid pLeu-Sg, complete plasmid sequence	1.7	<NONE>	<NONE>	<NONE>
121	M87479	Lymnaea stagnalis FMRFamide gene, mature peptides.	1.7	<NONE>	<NONE>	<NONE>
122	M55163	Xenopus laevis fibroblast growth factor receptor mRNA, complete cds.	1.7	<NONE>	<NONE>	<NONE>
123	S57565	histamine H2-receptor [rats, Genomic, 1928 nt]	1.7	<NONE>	<NONE>	<NONE>
124	M27256	Simian immunodeficiency virus (SIV) pol region.	1.7	<NONE>	<NONE>	<NONE>
125	U31516	Human chromosome 8 anonymous clone pBS8-165	1.7	<NONE>	<NONE>	<NONE>
126	X12671	Human gene for heterogeneous nuclear ribonucleoprotein (hnRNP) core protein A1	1.7	<NONE>	<NONE>	<NONE>
127	AF009054	Paeonia suffruticosa ssp. spontanea alcohol dehydrogenase 1B (Adh1B) gene, partial cds	1.7	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
128	AF046917	Mus musculus transketolase gene, exon 6 and partial cds	1.7	<NONE>	<NONE>	<NONE>
129	D89053	Homo sapiens mRNA for Acyl-CoA synthetase 3, complete cds	1.7	<NONE>	<NONE>	<NONE>
130	U57968	Staphylothermus marinus surface layer-associated STABLE protease gene, complete cds.	1.7	<NONE>	<NONE>	<NONE>
131	L39072	Bovine herpesvirus 1 (clone p95) UL24 homologue gene, complete cds.	1.7	<NONE>	<NONE>	<NONE>
132	X04980	Drosophila simulans retrotransposon 297 5'-LTR and flanks (pWK1020)	1.7	<NONE>	<NONE>	<NONE>
133	AE001114	Archaeoglobus fulgidus section 165 of 172 of the complete genome	1.7	<NONE>	<NONE>	<NONE>
134	X04434	Human mRNA for insulin-like growth factor I receptor	1.7	<NONE>	<NONE>	<NONE>
135	U07890	Mus musculus C57BL/6J epidermal surface antigen (mesa) mRNA, complete cds.	1.7	<NONE>	<NONE>	<NONE>
136	D26163	Human tyrosinase gene, 5'-flanking region cell-specific transcription)	1.7	<NONE>	<NONE>	<NONE>
137	AF093818	Panorpa nipponensis NADH dehydrogenase subunit 5 gene, mitochondrial gene encoding mitochondrial protein, partial cds	1.7	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Xenopus laevis				
138	D50560	mRNA for cytochrome P-450, complete cds	1.7	<NONE>	<NONE>	<NONE>
139	AF083488	Mus musculus phospholipase D1 (PLD1) gene, exons 18 and 19, complete sequence	1.7	<NONE>	<NONE>	<NONE>
140	AF100694	Mus musculus Pontin52 mRNA, complete cds	1.7	<NONE>	<NONE>	<NONE>
141	M73749	Streptococcus salivarius thermophilus beta-D-galactose (lacZ) gene, complete cds. > :: gb[M63636]STRLAC ZZ Streptococcus thermophilus beta-D-galactosidase (lacZ) gene, complete cds.	1.7	<NONE>	<NONE>	<NONE>
142	AE001114	Archaeoglobus fulgidus section 165 of 172 of the complete genome	1.7	2183023	(U84971) unknown [Homo sapiens]	9.2
143	L01983	Human type IV sodium channel alpha polypeptide	1.7	130504	GENOME POLYPROTEIN [CONTAINS: N-TERMINAL PROTEIN (P1); HELPER COMPONENT PROTEINASE INCLUSION PROTEIN (CI); 6 KD PROTEIN 2 (6K2); GENOME-LINKED PROTEIN (VPG); NUCLEAR ... virus (strain D)]	9.2
144	L19731	Plecotus rafinesquii mitochondrial cytochrome b gene, 5' end.	1.7	3327096	(AB014541) KIAA0641 protein [Homo sapiens]	9.1
145	AE001114	Archaeoglobus fulgidus section 165 of 172 of the complete genome	1.7	2183023	(U84971) unknown [Homo sapiens]	8.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
146	L27218	Bos taurus serum amine oxidase mRNA, complete cds. > oxidase=amiloride- binding protein homolog [cattle, liver, mRNA, 2664 nt]	1.7	1174459	SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 6 (IL-4 STAT) >gi 559855 (U16031) IL- 4 Stat [Homo sapiens]	7.1
147	Z49868	Caenorhabditis elegans cosmid W07E11, complete sequence [Caenorhabditis elegans]	1.7	4204263	(AC005223) 40409 [Arabidopsis thaliana]	6.7
148	AL022271	Caenorhabditis elegans cosmid F32F2, complete sequence [Caenorhabditis elegans]	1.7	2497969	PERIPLASMIC NITRATE REDUCTASE PRECURSOR >gi 1086107 pir S50163 nitrate reductase large chain precursor, periplasmic - Thiosphaera pantotropha >gi 600093 (Z36773) periplasmic nitrate reductase large subunit [Paracoccus denitrificans]	6.7
149	U43844	Mus musculus cyclin D3 gene, complete cds	1.7	3861490	(AF062037) capsid protein precursor [Thosea asigna virus]	5.1
150	Z25464	S.cerevisiae UNF1, LTV1, MRP8, CYB3 and TGL1 genes, complete CDS's	1.7	1255404	(U53151) weak similarity to cytochrome b [Caenorhabditis elegans]	4.1
151	U77846	Human elastin gene, partial cds and partial 3'UTR	1.7	3355682	(AL031124) putative secreted lyase	4.0
152	X62880	S.scrofa mRNA for calcium release channel (CRC)	1.7	3327080	(AB014533) KIAA0633 protein [Homo sapiens]	4.0
153	Y00067	Human gene for neurofilament subunit M (NF-M)	1.7	479829	heterogeneous ribonuclear particel protein homolog - Caenorhabditis elegans similarity to RNA recognition motifs [Caenorhabditis elegans]	3.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
154	X68393	D.melanogaster gene for Beta-tubulin, exons 1 and 2	1.7	2342682	(AC000106) Contains similarity to Rattus AMP-activated protein kinase (gb X95577). [Arabidopsis thaliana]	3.8
155	AB012284	Shuttle vector pAUR123 gene for Aur1-C, complete cds	1.7	417704	POL POLYPROTEIN (ORF1A/1B) [CONTAINS: RNA-DIRECTED RNA POLYMERASE ; HELICASE; PROTEASE]	3.8
156	M96633	Rattus norvegicus mitochondrial intermediate peptidase (MIP) mRNA, complete cds.	1.7	2314209	(AE000613) H. pylori predicted coding region HP1054	3.1
157	U49055	Rattus norvegicus CTD-binding SR-like protein rA8 mRNA, complete cds	1.7	2497252	INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 4 (IGFBP-4) (IBP-4) (IGF-BINDING PROTEIN 4) factor-binding protein-4 - sheep (fragment) factor-binding protein-4, IGFBP-4 [sheep, liver, Peptide, 237 aa] [Ovis aries]	3.0
158	Y15907	Mus musculus mRNA for myc-intron-binding protein-1	1.7	912776	iduronate-2-sulfatase, IDS {EC 3.1.6.13} Peptide Mutant, 550 aa]	3.0
159	U67600	Methanococcus jannaschii section 142 of 150 of the complete genome	1.7	2982355	(AF052252) fork head domain protein FKD9 [Danio rerio]	3.0
160	AF013759	Homo sapiens calumein (Calu) mRNA, complete cds	1.7	2982355	(AF052252) fork head domain protein FKD9 [Danio rerio]	2.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
161	AF062915	Arabidopsis thaliana putative transcription factor (MYB90) mRNA, complete cds	1.7	3878065	(AF021000) Similarity to Human mRNA product KIAA0077 (TR:Q14997); cDNA EST yk243h8.5 comes from this gene; cDNA EST yk243h8.3 comes from this gene; cDNA EST yk359h4.5 comes from this gene [Caenorhabditis elegans] >gi 3880318 gnl PID e1349839 (Z81133) Similarity to Human mRNA product KIAA0077 (TR:Q14997); cDNA EST yk243h8.5 comes from this gene; cDNA EST yk243h8.3 comes from this gene; cDNA EST yk359h4.5 comes from this gene	2.3
162	X87526	H.sapiens genomic DNA (chromosome 3; clone NL3003R)	1.7	3638957	(AC004877) sco-spondin-mucin-like; similar to P98167 uncertain [Homo sapiens]	2.3
163	AC005573	Homo sapiens chromosome 5, PAC clone 202e13	1.7	2465540	(AF005632) phosphodiesterase I/nucleotide pyrophosphatase beta [Homo sapiens]	1.8
164	D83402	Homo sapiens gene for prostacyclin synthase, exon 10 and complete cds	1.7	627608	steroid hormone receptor TR3 - human sapiens]	1.7
165	AF053700	Homo sapiens deltex (Dx) mRNA, complete cds	1.7	2662089	(AB007864) KIAA0404 [Homo sapiens]	1.7
166	AF043225	Mus musculus 6-pyruvoyl-tetrahydropterin synthase (Pts) mRNA, complete cds	1.7	2352538	(AF006564) alcohol dehydrogenase [Drosophila persimilis] persimilis]	1.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
167	U52917	<i>Thermus aquaticus</i> thermophilus NADH dehydrogenase I subunits NQO7, NQO6, NQO5, NQO4, NQO2, NQO1, NQO3, NQO8, NQO9, NQO10, NQO11, NQO12, NQO13, and NQO14, complete cds.	1.7	2564334	(AB006631) The human homolog of mouse Cux-2 [Homo sapiens]	1.0
168	X72222	<i>M.musculus</i> gene for serotonin 2 receptor	1.7	3875796	(Z13425) Similarity to Yeast hypothetical YIK9 protein (SW:YIK9_YEAST); cDNA EST EMBL:T01252 comes from this gene; cDNA EST EMBL:D33205 comes from this gene; cDNA EST EMBL:D33955 comes from this gene; cDNA EST EMBL:D35484 co...	1.0
169	U23186	<i>Crotalus scutulatus</i> PLA2-like pseudogene	1.7	853971	(X83413) DR5 [Human herpesvirus 6] >gi 853972 (X83413) DR5 [Human herpesvirus 6]	0.99
170	M83118	<i>Mus musculus</i> factor VIII-associated protein (f8a) mRNA, complete cds.	1.7	3201617	(AC004669) hypothetical protein [Arabidopsis thaliana] (AL031282) dJ283E3.3.2 (Cell Division Cycle 2-Like 2 (PITSLRE, p58/GTA, Galactosyltransferase Associated Protein Kinase)) (isoform beta 2-2) [Homo sapiens]	0.80
171	M38347	<i>E.coli</i> ATP-dependent proteinase (lon) gene, complete cds.	1.7	4140322	HYPOTHETICAL PROLINE-RICH PROTEIN KIAA0269 >gi 1665805 gnl PID d1014089 (D87459) Similar to Volbox carteri extensin (S22697) [Homo sapiens]	0.78
172	U28838	Human transcription factor TFIIB 90 kDa subunit	1.7	2495730		0.62

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
173	U72487	Rattus norvegicus calcium-independent alpha-latrotoxin receptor mRNA, complete cds	1.7	544411	GLYCOPROTEIN GP100 PRECURSOR (P29F8) [discoideum]	0.35
174	AE000718	Aquifex aeolicus section 50 of 109 of the complete genome	1.7	2497569	FIBROBLAST GROWTH FACTOR RECEPTOR 3 PRECURSOR (FGFR-3) (HEPARIN-BINDING GROWTH FACTOR RECEPTOR) >gi 2117851 pir I55363 fibroblast growth factor receptor 3 - mouse >gi 199145 (M81342) fibroblast growth factor receptor 3 [Mus musculus]	0.34
175	AF016897	Oryza sativa GDP dissociation inhibitor protein OsGDI2 (OsGDI2) mRNA, complete cds	1.7	125362	MACROPHAGE COLONY STIMULATING FACTOR I RECEPTOR PRECURSOR (CSF-1-R) (FMS PROTO-ONCOGENE) (C-FMS) factor 1 receptor - cat >gi 163855 (J03149) M-CSF receptor [Felis domesticus]	0.34
176	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1.7	85058	muscarinic acetylcholine receptor - fruit fly acetylcholine receptor [Drosophila melanogaster]	0.20
177	AF077352	Chlamydomonas reinhardtii myosin heavy chain	1.7	728901	ACROSOMAL PROTEIN SP-10 PRECURSOR SP-10 - western baboon >gi 298488 bbs 127113 (S56458) SP-10=intracrosomal protein [Papio papio=baboons, Peptide, 285 aa] [Papio hamadryas]	0.20
178	Z92788	Caenorhabditis elegans cosmid F53B8, complete sequence [Caenorhabditis elegans]	1.7	746516	(U23517) D1022.7 [Caenorhabditis elegans] >gi 3258651 elegans]	0.068

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(X87883) mitochondrial capsule	
179	AF002217	Ralstonia eutropha megaplasmid pHG1 nitric oxide reductase (norB) gene, complete cds	1.7	1143538	selenoprotein [Rattus norvegicus] >gi 1354135 (U48702) mitochondria associated cysteine-rich protein SMCP	0.039
180	D30749	Rat mRNA for protein tyrosine phosphatase	1.7	1228035	(D83776) The KIAA0191 gene is expressed ubiquitously.; The KIAA0191 protein retains the C2H2 zinc-finger at its N-terminal region. [Homo sapiens]	0.008
181	M15202	Rat fast skeletal TnT gene encoding troponin T isoforms, complete cds.	1.7	731172	SKIN SECRETORY PROTEIN XP2 PRECURSOR	4e-04
182	L07592	Human peroxisome proliferator activated receptor mRNA, complete cds.	1.7	4033414	PUTATIVE IMPORTIN BETA-4 SUBUNIT	2e-06
183	U64031	Dendrobium crumenatum ACC synthase gene, complete cds	1.7	3122885	ASPARTYL-TRNA SYNTHETASE synthetase [Bacillus subtilis]	2e-11
184	AF034970	Homo sapiens docking protein (DOK-2) mRNA, complete cds	1.7	2289097	(U78737) alpha(1,3)fucosyltransferase [Cricetulus griseus]	8e-12
185	Z12839	L.longiflorum mRNA encoding calmodulin. > :: gb L18912 LILCALM ODU Liliun longiflorum calmodulin mRNA, complete cds.	1.7	2511747	(AF023270) probable transcriptional regulator dre4	4e-12

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
186	X53459	Equine arteritis virus (EAV) RNA genome > :: emb A45589 A45589 Sequence 1 from Patent WO9519438 > :: emb A58849 A58849 Sequence 1 from Patent WO9700963 > :: gb AR013959 AR013 959 Sequence 1 from patent US 5773235	1.7	3979817	(Z70683) Weak similarity to Human tyrosine-protein kinase CSK (SW:CSK_HUMAN); cDNA EST EMBL:C10908 comes from this gene; cDNA EST EMBL:C12822 comes from this gene; cDNA EST yk408c2.3 comes from this gene; cDNA EST yk408c2.5 ... Human tyrosine-protein kinase CSK (SW:CSK_HUMAN); cDNA EST EMBL:C10908 comes from this gene; cDNA EST EMBL:C12822 comes from this gene; cDNA EST yk408c2.3 comes from this gene; cDNA EST yk408c2.5 ...	1e-14
187	K02668	E. coli ddl gene encoding D-alanine:D alanine ligase and ftsQ and ftsA genes, complete cds, and ftsZ gene, 5' end.	1.7	3879121	(Z70310) predicted using Genefinder; Similarity to Mouse ankyrin (PIR Acc. No. S37771); cDNA EST EMBL:T01923 comes from this gene; cDNA EST EMBL:D32335 comes from this gene; cDNA EST EMBL:D32723 comes from this gene; cDNA ES... Genefinder; Similarity to Mouse ankyrin (PIR Acc. No. S37771); cDNA EST EMBL:T01923 comes from this gene; cDNA EST EMBL:D32335 comes from this gene; cDNA EST EMBL:D32723 comes from this gene; cDNA ES...	2e-19
188	AB008375	Homo sapiens mRNA for osteoblast specific cysteine-rich protein, complete cds	1.7	2496945	HYPOTHETICAL 55.9 KD PROTEIN EEED8.6 IN CHROMOSOME II >gi 733603 (U23484) No definition line found [Caenorhabditis elegans]	1e-19
189	L36603	Pseudomonas cepacia (clone Psudom70-1) heat shock protein 70 (hsp70) gene, complete cds	1.7	2661842	(Y15732) DNA polymerase beta [Xenopus laevis]	6e-20

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					HYPOTHETICAL 75.5 KD PROTEIN C14A4.3 IN CHROMOSOME II	
190	Z49760	P.blakesleeanus mRNA GTP cyclohydrolase I	1.7	1731181	>gi 3874230 gnl PID e1351618 protein (Swiss Prot accession number P38376); cDNA EST yk220e10.5 comes from this gene [Caenorhabditis elegans]	3e-21
191	U52428	Human fatty acid synthase gene, partial cds	1.7	4226073	(AF125443) contains similarity to S. pombe phosphatidyl synthase (GB:Z28295) [Caenorhabditis elegans]	6e-25
192	U12767	Human mitogen induced nuclear orphan receptor	1.6	<NONE>	<NONE>	<NONE>
193	Z63478	H.sapiens CpG DNA, clone 85a12, forward read cpg85a12.ft1a .	1.6	<NONE>	<NONE>	<NONE>
194	AF084375	Homo sapiens inversin protein, exons 8 and 9	1.6	<NONE>	<NONE>	<NONE>
195	AE001114	Archaeoglobus fulgidus section 165 of 172 of the complete genome	1.6	<NONE>	<NONE>	<NONE>
196	AF084375	Homo sapiens inversin protein, exons 8 and 9	1.6	<NONE>	<NONE>	<NONE>
197	U24217	Kluyveromyces lactis RNA polymerase II largest subunit gene, partial cds	1.6	<NONE>	<NONE>	<NONE>
198	AE000580	Helicobacter pylori 26695 section 58 of 134 of the complete genome	1.6	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
199	X62083	H.sapiens mRNA for Drosophila female sterile homeotic (FSH) homologue > :: gb M80613 HUMFS HG Human homolog of Drosophila female sterile homeotic mRNA, complete cds.	1.6	<NONE>	<NONE>	<NONE>
200	M28064	Plasmodium brasilianum DNA homologous to the histidine-rich knob protein region of Plasmodium falciparum.	1.6	457495	(M26647) ORF X [Saccharomyces cerevisiae]	8.4
201	U03114	Streptomyces albus lipase precursor (lip) gene, complete cds, and unidentified 5' ORF and 3' ORF, partial cds.	1.6	3638957	(AC004877) sco-spondin-mucin-like; similar to P98167 uncertain [Homo sapiens]	7.8
202	U88422	Strix varia oocyte maturation factor Mos (c-mos) proto-oncogene, partial cds	1.6	137618	VITAMIN D3 RECEPTOR (VDR) receptor [Rattus norvegicus]	6.4
203	M68519	Human pulmonary surfactant-associated protein SP-A (SFTP1) gene, complete cds.	1.6	3875423	(Z38112) E03A3.6 [Caenorhabditis elegans]	4.9
204	AF044575	Homo sapiens transcription factor POU4F3	1.6	2133625	GABA transport protein - tobacco hornworm	4.7
205	L48476	Homo sapiens (subclone 3_e10 from P1 H21) DNA sequence.	1.6	3687297	(AJ005588) 5-epi-aristolochene synthase	4.6
206	M18630	Rat CNS 2',3'-cyclic nucleotide 3-phosphodiesterase	1.6	3880315	(Z81133) Similarity to Human mRNA product KIAA0077 (TR:Q14997) [Caenorhabditis elegans]	3.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
207	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	1.6	267068	TUMOR-ASSOCIATED ANTIGEN L6	3.6
208	U53448	Babesia microti heat shock protein 70 (hsp70) gene, complete cds	1.6	1255429	(U53155) strong similarity to the carboxyl two-thirds of valyl-tRNA synthetases [Caenorhabditis elegans]	2.2
209	AF084367	Homo sapiens inversin protein mRNA, complete cds	1.6	1730076	PROBABLE SERINE/THREONINE-PROTEIN KINASE CY49.28 >gi 1370255 gnl PID e247094 (Z73966) pknJ	1.2
210	D55635	Yeast dis1+ gene for p93dis1, complete cds	1.6	3128353	(AF010496) maltose transport inner membrane protein	1.2
211	AF035756	Streptomyces sp. 2-dehydro-3-deoxyphosphoheptonate aldolase gene, partial cds	1.6	853971	(X83413) DR5 [Human herpesvirus 6] >gi 853972 (X83413) DR5 [Human herpesvirus 6]	0.97
212	X73479	O.cuniculus rPTPA mRNA	1.6	3413810	(Y17034) Bassoon [Mus musculus]	0.94
213	X98330	H.sapiens mRNA for ryanodine receptor 2	1.6	2072986	(U95142) putative G-protein-coupled receptor G-protein-coupled receptor [Arabidopsis thaliana]	0.73
214	X64194	P.anserina FMR1 gene exons 1 and 2	1.6	128014	NECDIN >gi 91129 pir JN0148 necdin, brain - mouse >gi 200020 (M80840) necdin [Mus musculus]	0.42
215	Z92788	Caenorhabditis elegans cosmid F53B8, complete sequence [Caenorhabditis elegans]	1.6	746516	(U23517) D1022.7 [Caenorhabditis elegans] >gi 3258651 elegans]	0.19
216	AE000888	Methanobacterium thermoautotrophicum from bases 1098908 to 1112186 (section 94 of 148) of the complete genome	1.6	462415	INTERFERON-ALPHA/BETA RECEPTOR ALPHA CHAIN PRECURSOR (IFN-ALPHA-REC) >gi 346520 pir S27387 interferon alpha receptor type 1 - bovine >gi 432	0.001

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
217	AB008375	Homo sapiens mRNA for osteoblast specific cysteine-rich protein, complete cds	1.6	2496945	HYPOTHETICAL 55.9 KD PROTEIN EEED8.6 IN CHROMOSOME II >gi 733603 (U23484) No definition line found [Caenorhabditis elegans]	1e-18
218	M25312	Orang-utan involucrin gene, complete cds.	1.6	3875131	(Z70750) similar to vanadate resistance protein transmembranous domains [Caenorhabditis elegans]	3e-26
219	AB012882	Cyprinus carpio mRNA for MyoD, complete cds	1.5	<NONE>	<NONE>	<NONE>
220	U29487	Caenorhabditis elegans cosmid C09C7	1.5	<NONE>	<NONE>	<NONE>
221	X74760	M.musculus mRNA for Notch 3	1.5	1364094	integral membrane protein - Streptomyces pristinaespiralis >gi 872306 (X84072) integral membrane protein [Streptomyces pristinaespiralis]	4.3
222	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	1.5	121855	EXOGLUCANASE II PRECURSOR cellulose 1,4-beta cellobiosidase (EC 3.2.1.91) II precursor - fungus (Trichoderma reesei) 1,4-beta-cellobiosidase (EC 3.2.1.91) II - fungus cellobiohydrolase II [Trichoderma reesei]	4.3
223	U42391	Human myosin-IXb mRNA, complete cds	1.5	3688428	(AJ011534) sucrose synthase	4.2
224	M92296	Pongo pygmaeus gamma-1 and gamma-2 globin genes, complete cds.	1.5	186413	(M13144) inhibin A [Homo sapiens]	0.22
225	X94144	C.japonica mRNA for QNR-71 protein	1.5	2745737	(AF029791) UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase-II [Mus musculus]	3e-08

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
226	AB014557	Homo sapiens mRNA for KIAA0657 protein, partial cds	1.5	1212992	(X90568) Protein sequence and annotation available soon via Swiss-Prot; available at present via e-mail from LABEIT@EMBL-Heidelberg.DE [Homo sapiens]	4e-13
227	AF000948	Borrelia burgdorferi oligopeptide permease homolog OppAIV (oppAIV) gene, complete cds	1.3	<NONE>	<NONE>	<NONE>
228	AF057287	Mus musculus RAB/Rip protein mRNA, partial cds	1.3	2498005	MYC PROTO-ONCOGENE PROTEIN (C-MYC) proto-oncogene [Sus scrofa]	2.6
229	U38951	Drosophila melanogaster vacuolar ATPase subunit E	1.1	<NONE>	<NONE>	<NONE>
230	AF027148	Homo sapiens myogenic determining factor 3	1.1	3172134	(U90209) RNA polymerase II largest subunit [Bonnemaisonia hamifera]	2.3
231	AF079310	Mus musculus histone deacetylase 3 (Hdac3) gene, exons 4 through 15 and complete cds	1.0	1657601	(U66220) unknown [Nannocystis exedens]	0.25
232	X52134	P.radiata lac gene for laccase	0.95	996020	(X91638) BRM protein [Gallus gallus]	0.31
233	D89016	Human mRNA for Neuroblastoma, complete cds	0.93	<NONE>	<NONE>	<NONE>
234	X76392	C.familiaris VIP36 (vesicular integral-membrane protein of 36 kDa) mRNA	0.93	4176446	(AL022238) dJ1042K10.2.1 (novel protein with probable rabGAP domains and Src homology domain 3)	7e-81
235	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.90	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					EG12 PROTEIN PRECURSOR (EARLY G1 TRANSCRIPT 2) >gi 1362345 pir S55862 probable membrane protein YNL327w - yeast (Saccharomyces cerevisiae) cerevisiae] >gi 1302445 gnl PID e239572 (Z71603) ORF YNL327w [Saccharomyces cerevisiae]	
236	AE000991	Archaeoglobus fulgidus section 116 of 172 of the complete genome	0.90	1176579		6.9
237	Z35922	S.cerevisiae chromosome II reading frame ORF YBR053c	0.86	<NONE>	<NONE>	<NONE>
238	U47331	Rattus norvegicus metabotropic glutamate receptor 4b mRNA, complete cds.	0.82	1550703	(Z80225) hypothetical protein Rv2662	4.1
239	X72810	H.sapiens Ig germline kappa-chain gene variable region (L3)	0.69	3023063	(AF052587) F14 [Xylella fastidiosa]	6.7
240	Z11700	Escherichia coli genes faeG, faeH, faeI, faeJ and IS629-like insertion sequence. >:: emb Z11710 ECFAE HIJ E.coli faeH, faeI and faeJ genes encoding FaeH, FaeI and FaeJ proteins	0.69	2347188	(AC002338) laccase isolog [Arabidopsis thaliana] thaliana]	3.9
241	U71597	Phrynosoma douglassii NADH dehydrogenase subunit 4 (ND4) gene, mitochondrial gene encoding mitochondrial protein, partial cds	0.65	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					GLUTAMYL-tRNA	
242	Z77798	Ammonia species LSU rRNA gene (partial; isolate Tr S 5; clone 16)	0.64	1174506	SYNTHETASE glutamate--tRNA ligase (EC 6.1.1.17) - Haemophilus influenzae (strain Rd KW20) >gi 1573240 (U32713) glutamyl-tRNA synthetase (glTX) [Haemophilus influenzae Rd]	1.2
243	D25542	Human mRNA for golgi antigen gcp372, complete cds	0.64	111230	ultra-high-sulfur keratin 1 - mouse	1e-05
244	M80234	Cow dopamine transporter mRNA, putative cds.	0.64	3874972	(Z99709) similar to Elongation factor Tu family (contains ATP/GTP binding P-loop); cDNA EST EMBL:D76223 comes from this gene; cDNA EST yk478c5.5 comes from this gene [Caenorhabditis elegans]	8e-06
245	AB007918	Homo sapiens mRNA for KIAA0449 protein, partial cds	0.64	2833239	EPIDERMAL GROWTH FACTOR RECEPTOR KINASE SUBSTRATE EPS8 >gi 530823 (U12535) epidermal growth factor receptor kinase substrate [Homo sapiens]	2e-14
246	X51754	Human U266 rearranged DNA for lambda-immunoglobulin light chain	0.63	2072301	(U95102) mitotic phosphoprotein 90 [Xenopus laevis]	1.5
247	AE001554	Helicobacter pylori, strain J99 section 115 of 132 of the complete genome	0.62	<NONE>	<NONE>	<NONE>
248	Z64067	H.sapiens CpG DNA, clone 96e7, reverse read cpg96e7.rt1a .	0.62	<NONE>	<NONE>	<NONE>
249	AJ223768	Pinus sylvestris microsatellite DNA, clone SPAC11.5	0.62	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
250	AJ011592	Bacteriophage P1 ban gene	0.62	2493689	PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN [deltoides] >gi 2143326 gnt PID e319090 (Y13328) 10kDa phosphoprotein [Populus deltoides]	7.9
251	AF027151	Xenopus laevis survival of motor neuron protein interacting protein 1 (SIP1) mRNA, complete cds	0.62	4007790	(AL034463) putative single-strand polynucleotide binding protein [Schizosaccharomyces pombe]	2.0
252	AJ000376	Helobdella triserialis mRNA for actin	0.62	1117968	(U40763) CARS-Cyp [Homo sapiens] sapiens]	0.90
253	M69231	Rat thymosin beta 4 gene (pTB4G), intron.	0.62	4176370	(AC005058) similar to calcium-independent phospholipase A2; similar to AC004392 (PID:g3367519) [Homo sapiens]	6e-51
254	AB021638	Homo sapiens X11L2 mRNA for X11-like protein 2, complete cds	0.61	<NONE>	<NONE>	<NONE>
255	D26470	Bacteroides gingivalis DNA for arginyl endopeptidase, complete cds	0.61	<NONE>	<NONE>	<NONE>
256	J04737	A.thaliana ATPase gene, complete cds.	0.61	<NONE>	<NONE>	<NONE>
257	U06756	Bos taurus clone bm1308 microsatellite and are-1p repeat region.	0.61	1922280	(Y09905) snail like protein [Gallus gallus]	0.51
258	S75756	p15=cyclin D-dependent kinases 4 and 6-binding protein/p15 product {exon/intron 1} [human, brain tumors. Genomic, 753 nt]	0.61	484938	hypothetical protein 253 - Streptomyces griseus plasmid pSG1 (fragment)	0.13
259	L39837	Drosophila melanogaster tumor suppressor (warts) mRNA exons 1-8, complete cds.	0.61	3875131	(Z70750) similar to vanadate resistance protein transmembranous domains [Caenorhabditis elegans]	1e-09

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AF125443) contains similarity to <i>S. pombe</i> phosphatidyl synthase (GB:Z28295) [<i>Caenorhabditis elegans</i>]	
260	U52428	Human fatty acid synthase gene, partial cds	0.61	4226073		2e-26
261	X15292	Plasmodium falciparum gene for heat-shock protein pPf203	0.60	<NONE>	<NONE>	<NONE>
262	AB020663	Homo sapiens mRNA for KIAA0856 protein, partial cds	0.60	470341	(U00043) No definition line found [<i>Caenorhabditis elegans</i>]	5.7
263	U68723	Human checkpoint suppressor 1 mRNA, complete cds	0.60	544375	GALACTOSE-BINDING PROTEIN REGULATOR glucose/galactose binding protein regulator - <i>Agrobacterium tumefaciens</i> >gi142228 (L10424) glucose/galactose binding protein regulator	5.7
264	M32687	<i>S. griseus</i> sporulation protein genes 1590 and 1422.	0.60	2582017	(AF012871) Mergla' [<i>Mus musculus</i>]	3.3
265	AJ005331	Homo sapiens NKCC2 gene, exon 4, isoform B	0.60	3128353	(AF010496) maltose transport inner membrane protein	1.5
266	U14103	<i>Mus musculus</i> RGL protein mRNA, complete cds.	0.60	4099845	(U90533) serine protease inhibitor [<i>Streptomyces fradiae</i>]	0.098
267	U95094	<i>Xenopus laevis</i> XL-INCENP (XL-INCENP) mRNA, complete cds	0.59	3282851	(AF047897) ankyrin-like protein HGE-ANK [<i>Ehrlichia sp.</i> BDS]	5.5
268	AE000872	<i>Methanobacterium thermoautotrophicum</i> from bases 896604 to 912784 (section 78 of 148) of the complete genome	0.59	401553	HYPOTHETICAL 24.5 KD PROTEIN IN NADB-SRMB INTERGENIC REGION	4.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
269	L11871	Gallus gallus achaete-scute homologue (ASH) mRNA, complete cds.	0.59	628110	hypothetical protein - human herpesvirus 4 reading frame 1 [Human herpesvirus 4] 2 [Human herpesvirus 4] >gi 1334838 gnl PID e25079 4 [Human herpesvirus 4] >gi 1334840 gnl PID e25081 6 [Human herpesvirus 4] >gi 1334842 gnl PID e25067 8 [Human herpesvirus 4] >gi 1334844 gnl PID e25069 10 [Human herpesvirus 4] >gi 1334846 gnl PID e25071 12 [Human herpesvirus 4]	4.2
270	AF017114	Oryctolagus cuniculus glycogen synthase mRNA, complete cds	0.59	728856	NITROGENASE IRON-IRON PROTEIN ALPHA CHAIN (NITROGENASE COMPONENT I) (DINITROGENASE) capsulatus >gi 312238 (X70033) alternative nitrogenase	2.4
271	AF027807	Homo sapiens beta-casein (CSN2) gene, complete cds	0.59	3252932	(AF067155) truncated rev protein [Human immunodeficiency virus type 1]	1.5
272	U81787	Human Wnt10B mRNA, complete cds	0.59	3875538	(Z67990) similar to cuticle collagen	1.4
273	U76036	Apteryx australis 16S ribosomal RNA gene, mitochondrial gene for mitochondrial RNA, partial sequence	0.59	4193356	(AF055088) ATP-binding cassette; PsaB [Streptococcus pneumoniae]	0.83
274	AB014564	Homo sapiens mRNA for KIAA0664 protein, partial cds	0.59	1709851	PTB-ASSOCIATED SPLICING FACTOR (PSF) long form - human >gi 38458 (X70944) PTB-associated splicing factor [Homo sapiens]	0.17
275	AF044171	Homo sapiens cyclin-dependent kinase inhibitor 2D (CDKN2D) gene, partial cds	0.59	3925213	(AL032626) Y37D8A.17 [Caenorhabditis elegans]	3e-10

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
276	L19640	Saccharomyces cerevisiae cdc2/cdc28-related protein kinase gene, complete cds.	0.59	3880115	(Z81130) T23G11.9 [Caenorhabditis elegans]	1e-21
277	Z80999	Human DNA sequence from cosmid E140G5 on chromosome 22, complete sequence [Homo sapiens]	0.58	<NONE>	<NONE>	<NONE>
278	Y11108	H.sapiens WNT8B gene	0.58	<NONE>	<NONE>	<NONE>
279	U80001	Sphyræna idiaestes lactate dehydrogenase A	0.58	<NONE>	<NONE>	<NONE>
280	Z49637	S.cerevisiae chromosome X reading frame ORF YJR137c	0.58	<NONE>	<NONE>	<NONE>
281	X64467	H.sapiens ALAD gene for porphobilinogen synthase	0.58	<NONE>	<NONE>	<NONE>
282	X74506	G.gallus hox B3 mRNA	0.58	<NONE>	<NONE>	<NONE>
283	U68040	Cochliobolus heterostrophus polyketide synthase	0.58	<NONE>	<NONE>	<NONE>
284	AF089084	Arabidopsis thaliana putative auxin efflux carrier protein (PIN1) mRNA, complete cds	0.58	<NONE>	<NONE>	<NONE>
285	U38481	Rattus norvegicus ROK-alpha mRNA, complete cds	0.58	<NONE>	<NONE>	<NONE>
286	AF017656	Homo sapiens G protein beta 5 subunit mRNA, complete cds	0.58	3236249	(AC004684) hypothetical protein [Arabidopsis thaliana]	9.2
287	M96234	Human glutathione transferase class mu number 4	0.58	1280073	(U55366) Similar to cuticle collagen [Caenorhabditis elegans]	7.1
288	AB002339	Human mRNA for KIAA0341 gene, partial cds	0.58	861293	(U28741) F35D2.1 gene product [Caenorhabditis elegans]	7.1

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
289	U11295	Neisseria gonorrhoeae carbamoyl phosphate synthetase (glutamine) small subunit (carA) and large subunit (carB) genes, complete cds.	0.58	2425135	(AF020283) DG2044 gene product [Dictyostelium discoideum]	5.3
290	D80001	Human mRNA for KIAA0179 gene, partial cds	0.58	4097223	(U49836) gamma-glutamyl transpeptidase precursor [Brugia malayi]	4.1
291	Z11700	Escherichia coli genes faeG, faeH, faeI, faeJ and IS629-like insertion sequence. > :: emb Z11710 ECFAE HIJ E.coli faeH, faeI and faeJ genes encoding FaeH, FaeI and FaeJ proteins	0.58	2347188	(AC002338) laccase isolog [Arabidopsis thaliana] thaliana]	3.2
292	M77350	Mouse hair keratin A1 (MHKA1) gene, complete cds.	0.58	141165	HYPOTHETICAL 8.3 KD PROTEIN >gi 62179	3.2
293	X63787	T.thermophila gene for snRNA U3-2	0.58	2826900	(AB004461) DNA polymerase alpha catalytic subunit [Oryza sativa]	3.1
294	D63881	Human mRNA for KIAA0160 gene, partial cds	0.58	1934730	(U95036) germin-like protein [Arabidopsis thaliana]	3.1
295	U39378	Gymnocarena mexicana 16S ribosomal RNA gene, mitochondrial gene encoding mitochondrial RNA, partial sequence	0.58	2194131	(AC002062) Similar to Synechocystis antiviral protein	3.1
296	X87987	P.pastoris PRC1 gene > :: dbj E12103 E12103 DNA encoding precursor of protease from Pichia pastoris	0.58	3914197	OCCLUDIN >gi 1276983 (U49221) occludin [Canis familiaris] >gi 1589181 prf 2210347D occludin [Canis familiaris]	3.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
297	X75782	A.thaliana (L.Heynh.) chloroplast mRNA for recombinant APS- kinase	0.58	1732444	(D38529) DRPLA protein [Homo sapiens]	2.4
298	M64848	Mouse platelet- derived growth factor B chain musculus platelet-derived growth factor beta- chain (sis) gene, exon 5.	0.58	3025832	(AF055985) pyrrolidone-rich antigen [Onchocerca volvulus]	1.4
299	AE001460	Helicobacter pylori, strain J99 section 21 of 132 of the complete genome	0.58	2827198	(AF037454) ubiquitin protein ligase [Mus musculus]	1.1
300	X65720	M.musculus gene for protein kinase C- gamma (exon1 and exon 2)	0.58	418395	CHDI PROTEIN >gi 320737 pir S30818 hypothetical protein YER164w - yeast (Saccharomyces cerevisiae) >gi 603404 (U18917) Chd1p: transcriptional regulator [Saccharomyces cerevisiae]	1.1
301	AF043130	Arabidopsis thaliana lactate dehydrogenase	0.58	3024637	SEX-DETERMINING REGION Y PROTEIN determining protein [Mus	0.62
302	D28116	Human genes for collagen type IV alpha 5 and 6, exon 1 and exon 1'	0.58	1458250	(U64835) T09D3.3 [Caenorhabditis elegans]	0.36
303	AE001075	Archaeoglobus fulgidus section 32 of 172 of the complete genome	0.58	2276333	(Z97991) hypothetical protein Rv0336	0.36
304	AF003948	Rhodococcus opacus chloromuconate cycloisomerase transposase homolog genes, complete cds	0.58	477072	mucin 7 precursor, salivary - human	0.28
305	U10692	Human MAGE-7 antigen (MAGE7) pseudogene, complete cds.	0.58	3287858	HOMEBOX PROTEIN HOX- C11	0.054

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
306	AF003948	Rhodococcus opacus chloromuconate cycloisomerase transposase homolog genes, complete cds	0.58	3551821	(AF058803) mucin 4 [Homo sapiens]	0.041
307	X99350	H.sapiens HFH4 gene, exon 1 and joined CDS	0.58	137483	VAV PROTO-ONCOGENE >gi 55221 (X64361) proto-oncogene [Mus musculus]	0.024
308	AJ234282	Homo sapiens mRNA for Ig heavy chain variable region, clone C	0.58	3264846	(AC003682) R27945_2 [Homo sapiens]	0.018
309	AF079310	Mus musculus histone deacetylase 3 (Hdac3) gene, exons 4 through 15 and complete cds	0.58	1657601	(U66220) unknown [Nannocystis exedens]	0.014
310	AF019367	Human thiopurine methyltransferase (TPMT) gene, exons 6 and 7	0.58	3283352	(AF063020) lens epithelium-derived growth factor [Homo sapiens]	0.011
311	X65720	M.musculus gene for protein kinase C-gamma (exon1 and exon 2)	0.58	1790878	(U38291) microtubule-associated protein 1a [Homo sapiens]	0.008
312	AB011155	Homo sapiens mRNA for KIAA0583 protein, partial cds	0.58	1351166	SYNAPSINS IA AND IB >gi 163713	0.006
313	X63692	H.sapiens mRNA for DNA	0.58	1817548	(D84307) phosphoethanolamine cytidyltransferase [Homo sapiens]	0.001
314	U53746	Feline immunodeficiency virus isolate FIV-Pco336-8 pol polyprotein (pol) gene, partial cds	0.58	2246532	(U93872) ORF 73, contains large complex repeat CR 73	2e-05
315	K00436	Rattus norvegicus (clone rt1-1) pseudo-Gly-tRNA gene.	0.58	206712	(M64793) salivary proline-rich protein [Rattus norvegicus]	1e-05

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
316	S79632	HSF2=heat shock factor 2 {alternatively spliced, splice junction region} [mice, CBA/J, testis, Genomic, 120 nt, segment 2 of 3]	0.58	4038594	(AJ222798) tDET1 protein [Lycopersicon esculentum]	3e-06
317	D43964	Rat liver mRNA for Kan-1, complete cds	0.58	1280135	(U55376) coded for by C. elegans cDNA cm21e6; coded for by C. elegans cDNA cm01e2; similar to melibiose carrier protein (thiomethylgalactoside permease II)	1e-08
318	AB007918	Homo sapiens mRNA for KIAA0449 protein, partial cds	0.58	2833239	EPIDERMAL GROWTH FACTOR RECEPTOR KINASE SUBSTRATE EPS8 >gi 530823 (U12535) epidermal growth factor receptor kinase substrate [Homo sapiens]	3e-13
319	AB001466	Homo sapiens mRNA for Efs1, complete cds	0.58	2943716	(D45027) 25 kDa trypsin inhibitor [Homo sapiens]	2e-14
320	Z11701	Saccharomyces cerevisiae IRE1 gene for putative protein kinase.	0.58	3880115	(Z81130) T23G11.9 [Caenorhabditis elegans]	9e-21
321	Z49535	S.cerevisiae chromosome X reading frame ORF YJR035w	0.58	4106562	(Z83819) dJ146H21.2 (similar to CYTOCHROME B-245 HEAVY CHAIN) [Homo sapiens]	3e-33
322	M62506	S.cerevisiae DBF20 gene, complete cds.	0.57	<NONE>	<NONE>	<NONE>
323	X05944	Yeast PSS gene for phosphatidylserine synthetase	0.57	<NONE>	<NONE>	<NONE>
324	D38536	Snail gene for ADP-ribosyl cyclase, complete cds	0.57	<NONE>	<NONE>	<NONE>
325	Z75004	S.cerevisiae chromosome XV reading frame ORF YOR096w	0.57	<NONE>	<NONE>	<NONE>
326	L77034	Homo sapiens (subclone 10_e10 from P1 H16) DNA sequence.	0.57	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
336	D88255	Homo sapiens A30 Vk germline gene, partial cds	0.57	3875983	(Z81063) similar to Actinin-type actin-binding domain containing proteins [Caenorhabditis elegans]	3.0
337	AF037261	Homo sapiens SH3-containing adaptor molecule-1 mRNA, complete cds	0.57	1397341	(U61955) Similar to kinesin-like protein; coded for by C. elegans cDNA yk184h5.3; coded for by C. elegans cDNA yk184h5.5; coded for by C. elegans cDNA yk13d7.3; coded for by C. elegans cDNA yk13d7.5; coded for by C. elegans cDNA yk31e1.5; co... >gi 3493541 (AF057567) kinesin-like protein ZEN-4a [Caenorhabditis elegans]	2.3
338	U26595	Rattus norvegicus prostaglandin F2a receptor regulatory protein precursor, mRNA, complete cds	0.57	2773160	(AF039656) neuronal tissue-enriched acidic protein [Homo sapiens]	2.3
339	X69903	R.norvegicus mRNA for interleukin 4 receptor	0.57	2649193	(AE001009) quinone-reactive Ni/Fe-hydrogenase B-type cytochrome subunit (hydC) [Archaeoglobus fulgidus]	1.8
340	Z74825	S.cerevisiae chromosome XV reading frame ORF YOL083w	0.57	1458319	(U64846) F47D2.5 gene product [Caenorhabditis elegans]	1.4
341	AJ131469	Foot-and-mouth disease virus O vp1 gene, strain O/A/58	0.57	91206	proline-rich protein - mouse (fragment) musculus]	1.4
342	AF011360	Mus musculus regulator of G-protein signaling 7 (RGS7) mRNA, complete cds	0.57	542514	gelsolin - American lobster	0.80
343	AF011360	Mus musculus regulator of G-protein signaling 7 (RGS7) mRNA, complete cds	0.57	1078946	gelsolin - American lobster >gi 452313 gelsolin [Homarus americanus]	0.80

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
344	L39210	Homo sapiens inosine monophosphate dehydrogenase type II gene, complete cds	0.57	559526	(X77466) 98.8kD polypeptide [Strawberry latent ringspot virus]	0.79
345	U81523	Human endometrial bleeding associated factor mRNA, complete cds	0.57	211499	(K01702) HMW/LMW collagen subunit precursor [Gallus gallus]	0.79
346	U46561	Tetrahymena thermophila polyubiquitin (TTU3) gene, complete cds, and RNA polymerase II subunit 2 (RPB2) gene, partial cds	0.57	2506493	HYPOTHETICAL 100.5 KD PROTEIN IN IAP-CYSH INTERGENIC REGION >gi 882654 (U29579) alternate gene name ygcB; ORF_f888 [Escherichia coli] >gi 1789119	0.60
347	X95543	C.japonica mRNA for legumin (clone CjLeg31)	0.57	1709261	NEUROFILAMENT TRIPLET M PROTEIN (160 KD NEUROFILAMENT PROTEIN) (NF-M) >gi 1083164 pir S55395 neurofilament protein M - rabbit (fragment) >gi 854353	0.46
348	Y17282	Homo sapiens mRNA for cytokeratin type II	0.57	3044086	(AF055904) unknown [Myxococcus xanthus]	0.45
349	X00716	Frog mRNA fragment for alpha-A2-crystallin	0.57	3406654	(AF079369) transcriptional repressor TUP1 [Dictyostelium discoideum]	0.20
350	X53238	Klebsiella sp. bacteriophage K11 gene 1 for RNA polymerase	0.57	1228093	(Z46913) polyketide synthase (S78897) GOR=antigenic epitope [chimpanzees, Peptide, 427 aa] [Pan]	0.16
351	X99012	H.sapiens FUS gene, exon 12	0.57	243898	(U53585) fibronectin attachment protein [Mycobacterium avium]	0.090
352	AL008711	Human DNA sequence from PAC 390N22 on chromosome Xp22.2	0.57	1469545	(U58748) similar to potential transmembrane domains in S. cerevisiae nuclear division RFT1 protein (SP:P38206)	0.053
353	S74506	SOX9 [human, fetal brain, Genomic, 1494 nt, segment 3 of 3]	0.57	1326350		0.017

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
354	D25542	Human mRNA for golgi antigen gcp372, complete cds	0.57	4063399	(AF102575) cell surface protein DTFA [Dictyostelium discoideum]	0.005
355	AB015426	Mus musculus mRNA for alpha1,3-fucosyltransferase IX, complete cds	0.57	2661842	(Y15732) DNA polymerase beta [Xenopus laevis]	7e-11
356	X51394	Xenopus mRNA for APEG protein, containing a highly repetitive amino acid sequence	0.57	1929056	(Y12090) putative 3,4-dihydroxy-2-butanone kinase [Lycopersicon esculentum]	9e-12
357	AB007918	Homo sapiens mRNA for KIAA0449 protein, partial cds	0.57	2833239	EPIDERMAL GROWTH FACTOR RECEPTOR KINASE SUBSTRATE EPS8 >gi 530823 (U12535) epidermal growth factor receptor kinase substrate [Homo sapiens]	3e-13
358	AB001466	Homo sapiens mRNA for Efs1, complete cds	0.57	2943716	(D45027) 25 kDa trypsin inhibitor [Homo sapiens]	2e-14
359	Y00760	Rabbit mRNA for adult fast skeletal troponin-C	0.57	2576348	(AC002400) Glutamyl tRNA synthetase [Homo sapiens]	2e-28
360	X95153	H.sapiens brca2 gene exon 3 > :: emb A62778 A62778 Sequence 19 from Patent WO9719110	0.57	3419847	(AC004982) similar to yeast hypothetical protein ybk4; similar to P38164 (PID:g586461) [Homo sapiens]	2e-55
361	X85967	B.vulgaris mRNA for betavulgin	0.56	<NONE>	<NONE>	<NONE>
362	U09251	Mycoplasma genitalium DNA gyrase subunit B complete cds, DNA polymerase III beta subunit (dnaN) and seryl-tRNA synthetase (serS) genes, partial cds.	0.56	<NONE>	<NONE>	<NONE>
363	V00158	Chloroplast Euglena gracilis genes coding for transfer RNAs specific for threonine, glycine, methionine, serine and glutamine.	0.56	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Clostridium				
364	D88151	perfringens DNA for D-alanine:D-alanine ligase, cortical fragment-lytic enzyme	0.56	<NONE>	<NONE>	<NONE>
365	U67478	Methanococcus jannaschii section 20 of 150 of the complete genome	0.56	<NONE>	<NONE>	<NONE>
366	L23800	Tachyglossus aculeatus beta-globin homolog (HBB) gene, complete cds	0.56	<NONE>	<NONE>	<NONE>
367	AB011129	Homo sapiens mRNA for KIAA0557 protein, partial cds	0.56	<NONE>	<NONE>	<NONE>
368	L77034	Homo sapiens (subclone 10_e10 from P1 H16) DNA sequence.	0.56	<NONE>	<NONE>	<NONE>
369	Z47202	C.albicans gene for TFIIB (BRF1) subunit.	0.56	<NONE>	<NONE>	<NONE>
370	U53868	Clostridium acetobutylicum mannitol-specific phosphotransferase system (PTS) system, mtlA, mtlR, mtlF, and mtlD genes, complete cds	0.56	<NONE>	<NONE>	<NONE>
371	AF041259	Homo sapiens breast cancer putative transcription factor (ZABC1) mRNA, complete cds	0.56	<NONE>	<NONE>	<NONE>
372	L42636	Plasmodium falciparum variant-specific surface protein (var-7) mRNA, complete cds.	0.56	2213557	(Z97052) hypothetical protein	8.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
373	U96180	Human protein tyrosine phosphatase (TEP1) mRNA, complete cds	0.56	731016	THIOREDOXIN REDUCTASE thioredoxin reductase (NADPH) [Coxiella burnetii]	8.7
374	L76259	Homo sapiens PTS gene, complete cds	0.56	2369863	(Y12225) Spi-1/PU.1 transcription factor	6.7
375	AF045946	Mus musculus D16Jhu17 YAC 98B3 acentric end, partial sequence	0.56	2130017	hypothetical protein - common sunflower protein [Helianthus annuus]	5.1
376	X97986	M.musculus mRNA for desmocollin type 1	0.56	4038031	(AC005936) hypothetical protein [Arabidopsis thaliana]	3.9
377	X79437	M.musculus whey acidic protein (WAP) gene, exon 1	0.56	549670	SPINDLE POLE BODY COMPONENT SPC42 yeast (Saccharomyces cerevisiae) >gi 486054 (Z28042) ORF YKL042w [Saccharomyces cerevisiae] >gi 666098 (X71621) hypothetical 42.3 kD protein [Saccharomyces cerevisiae]	3.9
378	M27902	Rat cardiac specific sodium channel alpha-subunit mRNA, complete cds.	0.56	585234	ENDOGLUCANASE G PRECURSOR 3.2.1.-) CeICCG precursor - Clostridium cellulolyticum cellulolyticum]	3.9
379	AF036696	Caenorhabditis elegans cosmid F15B10	0.56	546071	gp70=envelope protein {endogenous provirus} host=cat lymphoid tissues, Peptide, 445 aa]	3.6
380	Z99102	Caenorhabditis elegans cosmid B0331, complete sequence [Caenorhabditis elegans]	0.56	603664	(U14101) putative reverse transcriptase; ORF2; encodes aa motifs conserved in reverse transcriptases; most closely related reverse transcriptases are those of non-LTR retrotransposons. The 3' 901 bp of this CDS are identical to the 3' 901 bp ...	3.0
381	L27850	Equus caballus (clone T131) T-cell receptor DNA, V-region.	0.56	1079150	transcription factor shn - fruit fly	1.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					HYPOTHETICAL 113.1 KD	
382	X97986	M.musculus mRNA for desmocollin type 1	0.56	2497227	PROTEIN IN PRE5-FET4 INTERGENIC REGION >gi 1072409 (Z54141) unknown	1.7
383	AF087455	Didelphis virginiana G protein receptor kinase 2 mRNA, complete cds	0.56	1213453	(U12964) contains ankyrin-like repeats; similar to human desmoplakin repeat region [Caenorhabditis elegans]	1.3
384	D80011	Human mRNA for KIAA0189 gene, complete cds	0.56	226535	protease [Hepatitis B virus]	1.1
385	AJ002272	Mus musculus mRNA for HAP1-A protein, 3' region	0.56	3327158	(AB014572) KIAA0672 protein [Homo sapiens]	1.0
386	L39210	Homo sapiens inosine monophosphate dehydrogenase type II gene, complete cds	0.56	628431	coat protein - strawberry latent ringspot virus	0.77
387	X02770	Mouse Thy-1.2 gene 5' untranslated region and exon 1	0.56	3327046	(AB014516) KIAA0616 protein [Homo sapiens]	0.59
388	AF038575	Schizosaccharomyces pombe Wiskott-Aldrich Syndrome protein homolog (wsp1+) gene, complete cds, and BTF3/beta-NAC gene, partial sequence	0.56	88466	salivary proline-rich phosphoprotein precursor PRH1 (allele PIF) - human >gi 190484 (K03203) prepro salivary proline-rich protein [Homo sapiens] >gi 190512	0.35
389	X56747	Rat mRNA for fetal intestinal lactase-phlorizin hydrolase precursor, partial	0.56	2072742	(Z48674) chitinase homologue [Sesbania rostrata]	0.23
390	Y12072	G.arboreum mRNA for farnesyl pyrophosphate synthase	0.56	296670	(X07882) Po protein [Homo sapiens]	0.20
391	S75756	p15=cyclin D-dependent kinases 4 and 6-binding protein/p15 product {exon/intron 1} [human, brain tumors, Genomic, 753 nt]	0.56	1082743	protein kinase (EC 2.7.1.37) SPRK - human sapiens] >gi 1090771 prf 2019437A protein Tyr kinase I	0.15

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Equus caballus type				
392	U62528	II collagen mRNA, complete cds	0.56	461671	[Segment 1 of 2] COLLAGEN ALPHA 1(I) CHAIN	0.030
393	X96877	C.reinhardtii mRNA for unknown luminal polypeptide	0.56	3341678	(AC003672) putative zinc finger protein [Arabidopsis thaliana]	5e-09
394	S78788	cGATA-3 [chickens, liver, Genomic, 979 nt, segment 4 of 4]	0.56	2661590	(AL009196) 1-evidence=predicted by content; 1-method=genefinder;084; 1-method_score=59.41; 1-evidence_end; 2-evidence=predicted by match; 2-match_accession=AA950019; 2-match_description=LD29959.5p prime LD Drosophila melanogas...	2e-11
395	AF006640	Drosophila melanogaster Ste20-like protein kinase mRNA, complete cds	0.56	1109830	(U41534) coded for by C. elegans cDNA CEESI42F; Similar to helicases of SNF2/RAD54 family. [Caenorhabditis elegans]	6e-12
396	AF006640	Drosophila melanogaster Ste20-like protein kinase mRNA, complete cds	0.56	1109830	(U41534) coded for by C. elegans cDNA CEESI42F; Similar to helicases of SNF2/RAD54 family. [Caenorhabditis elegans]	4e-13
397	AE000716	Aquifex aeolicus section 48 of 109 of the complete genome	0.56	3688350	(AL030996) dJ1189B24.4 (novel PUTATIVE protein similar to hypothetical proteins S. pombe C22F3.14C and C. elegans C16A3.8) [Homo sapiens]	3e-66
398	Z36079	S.cerevisiae chromosome II reading frame ORF YBR210w	0.55	<NONE>	<NONE>	<NONE>
399	Y17267	Mus musculus mRNA for ubiquitin conjugating enzyme	0.55	<NONE>	<NONE>	<NONE>
400	AC001461	Homo sapiens (subclone 2_g5 from BAC H107) DNA sequence	0.55	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Alouatta seniculus				
401	AF019079	breast and ovarian susceptibility (BRCA1) gene, partial cds	0.55	<NONE>	<NONE>	<NONE>
402	M90058	Human serglycin gene, exons 1,2, and 3.	0.55	<NONE>	<NONE>	<NONE>
403	AB013469	Mus musculus CLM2 gene for cytohesin 2, complete and partial cds, alternative splicing	0.55	1729760	(Z68152) chitinase [Gossypium hirsutum]	8.6
404	AJ011592	Bacteriophage P1 ban gene	0.55	2493689	PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN deltoides] >gi 2143326 gnl PID e319090 (Y13328) 10kDa phosphoprotein [Populus deltoides]	6.6
405	Z15118	T.brucei kinetoplast maxicircle variable region DNA	0.55	2970432	(AF049132) NADH dehydrogenase subunit 5 [Florometra serratissima]	6.5
406	Z48951	S.cerevisiae chromosome XVI cosmid 9723	0.55	4210432	(AJ130783) APC2 protein [Mus musculus]	4.9
407	U78726	Homo sapiens mad protein homolog Smad2 gene, promoter, exon 1a and exon 1b	0.55	3319290	(AF055994) thyroid hormone receptor-associated protein complex component TRAP220 [Homo sapiens]	4.9
408	AG001389	Homo sapiens genomic DNA, 21q region, clone: 9H11Bm42	0.55	125684	KRUEPPEL PROTEIN >gi 72899 pir TWFF Krueppel gap protein - fruit fly (Drosophila sp.) melanogaster] >gi 224875 prf 1202348A Krueppel gene	3.8
409	M27640	Plasmodium vivax major blood stage surface antigen gene, partial cds.	0.55	549453	X-LINKED PEST-CONTAINING TRANSPORTER transporter - human >gi 458255 (U05321) X-linked PEST-containing transporter [Homo sapiens]	3.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Fugu rubripes mRNA				
410	D37977	for sodium channel alpha subunit, partial cds	0.55	1435038	(D38024) ORF [Homo sapiens]	3.7
411	M88505	Ostertagia ostertagi cathepsin B-like cysteine protease gene, partial cds.	0.55	3941277	(AF000900) p45 [Rattus norvegicus]	2.9
412	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.55	2570154	(AB008376) 17-kDa PKC-potentiated inhibitory protein of PP1 [Sus scrofa]	2.8
413	U89241	Human mibp gene, partial cds	0.55	4097465	(U62253) 16kDa secretory protein [Sus scrofa]	2.2
414	AF027151	Xenopus laevis survival of motor neuron protein interacting protein 1 (SIP1) mRNA, complete cds	0.55	4007790	(AL034463) putative single-strand polynucleotide binding protein [Schizosaccharomyces pombe]	1.7
415	AF006821	Bufo marinus natriuretic peptide receptor C mRNA, partial cds	0.55	2245075	(Z97343) GTP-binding RAB2A protein	1.7
416	Y12736	Lactococcus lactis cremoris plasmid pJW565 DNA, llabiiM, llabiiR genes and orfX	0.55	3386334	(AF035120) type I procollagen pro-alpha 2 chain [Canis familiaris]	1.3
417	U38307	Mus musculus collagen alpha-1 type 1 gene, 5' flanking region, partial sequence.	0.55	1362802	gastric mucin - human (fragment) >gi547517	1.3
418	D13473	Mouse mRNA for Rad51 protein	0.55	1374698	(D83032) nuclear protein, NP220 [Homo sapiens]	1.3
419	AF045238	Bungarus fasciatus acetylcholinesterase gene, alternatively spliced products, partial cds	0.55	3261734	(Z94752) hypothetical protein Rv1004c	0.99
420	AE000795	Methanobacterium thermoautotrophicum from bases 1 to 10208 (section 1 of 148) of the complete genome	0.55	186396	(M94131) mucin [Homo sapiens]	0.97

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Y.lipolytica SEC62			(Z81068) F25H5.2	
421	X99537	gene	0.55	3876397	[Caenorhabditis elegans]	0.58
422	U08147	Aquilegia sp. phytochrome (PHYB/D) gene, partial cds.	0.55	2338024	(AF005370) ribonucleotide-reductase, large subunit	0.57
423	Z56586	H.sapiens CpG DNA, clone 12c8, reverse read cpg12c8.rtl.d.	0.55	3320122	(U46007) espin [Rattus norvegicus]	0.44
424	U39442	Mus musculus glutamine:fructose-6-phosphate amidotransferase (GFAT) gene, 5' region and partial cds	0.55	282600	hypothetical protein - Mycoplasma hyorhinitis	0.43
425	K02298	Rat chymotrypsin B (chyB) gene, complete cds.	0.55	3413810	(Y17034) Bassoon [Mus musculus]	0.33
426	X84792	M.musculus clusterin gene	0.55	1652475	(D90905) hypothetical protein	0.25
427	U00185	Capra aegagrus Saanen and Weisse Edel breeds DR beta-chain antigen binding domain, MHC class II DRB	0.55	2507136	SUBTILIN BIOSYNTHESIS PROTEIN SPAB	0.19
428	Z54946	H.sapiens CpG DNA, clone 178a12, reverse read cpg178a12.rtl.a.	0.55	807646	(M17294) unknown protein [Human herpesvirus 4]	0.065
429	AF031650	Oryctolagus cuniculus anion exchanger 3 brain isoform (AE3) mRNA, complete cds	0.55	1778210	(U68412) fibrillar collagen [Arenicola marina]	0.044
430	M25579	Bovine adenylyl cyclase Type I mRNA, complete cds.	0.55	2649040	(AE000997) conserved hypothetical protein [Archaeoglobus fulgidus]	0.023
431	Z48796	H.sapiens Ski-W mRNA for helicase	0.55	330452	(M14708) DNA polymerase [Human cytomegalovirus]	0.023

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
432	M80234	Cow dopamine transporter mRNA, putative cds.	0.55	3874972	(Z99709) similar to Elongation factor Tu family (contains ATP/GTP binding P-loop); cDNA EST EMBL:D76223 comes from this gene; cDNA EST yk478c5.5 comes from this gene [Caenorhabditis elegans]	4e-04
433	U91616	Human I kappa B epsilon (IkBe) mRNA, complete cds	0.55	3875577	(Z68314) similar to G-protein; cDNA EST EMBL:C11959 comes from this gene; cDNA EST EMBL:C10341 comes from this gene; cDNA EST yk494e4.3 comes from this gene; cDNA EST yk448a8.5 comes from this gene comes from this gene; cDNA EST EMBL:C10341 comes from this gene; cDNA EST yk494e4.3 comes from this gene; cDNA EST yk448a8.5 comes from this gene [Caenorhabditis elegans] >gi 3880364 gnl PID e1349948 (Z83016) similar to G-protein; cDNA EST EMBL:C11959 comes from this gene; cDNA EST EMBL:C10341 comes from this gene; cDNA EST yk494e4.3 comes from this gene; cDNA EST yk448a8.5 comes from this gene [Caenorhabditis elegans]	7e-06
434	D10910	Arabidopsis thaliana Atpk7 gene for serine/threonine protein kinase, complete cds	0.55	3876072	(Z81505) Similarity to Metanococcus hypothetical protein 0682 (TR:Q58095) [Caenorhabditis elegans]	4e-42
435	L22013	Swinepox virus complete ORFS C20L-C1L > :: gb I58297 I58297 Sequence 14 from patent US 5651972	0.54	<NONE>	<NONE>	<NONE>
436	Z92653	Human immunodeficiency virus type 1 env gene	0.54	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
437	K01992	E.coli phosphate-repressible periplasmic phosphate-binding protein (phoS), peripheral membrane proteins (pstC, pstB and phoU) and integral membrane protein (pstA) genes, complete cds.	0.54	<NONE>	<NONE>	<NONE>
438	AE001415	Plasmodium falciparum chromosome 2, section 52 of 73 of the complete sequence	0.54	<NONE>	<NONE>	<NONE>
439	AF064030	Helianthus tuberosus lectin 2 mRNA, complete cds	0.54	<NONE>	<NONE>	<NONE>
440	X12591	E.coli plasmid DNA for colicin E9	0.54	<NONE>	<NONE>	<NONE>
441	U73679	Caenorhabditis elegans YNK1-a mRNA, complete cds	0.54	<NONE>	<NONE>	<NONE>
442	Z93990	Unidentified bacterium DNA for 16S ribosomal RNA	0.54	<NONE>	<NONE>	<NONE>
443	X85967	B.vulgaris mRNA for betavulgin	0.54	757836	(Z37980) ORF12 [Escherichia coli]	8.3
444	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.54	151377	(M80653) tetraheme [Pseudomonas stutzeri]	6.2
445	X71800	H.sapiens gene for 5S rRNA (640 bp) > :: emb X71801 HS5SR6 40B H.sapiens gene for 5S rRNA (640 bp)	0.54	3322653	(AE001216) T. pallidum predicted coding region TP0369	2.7
446	U89241	Human mibp gene, partial cds	0.54	4097465	(U62253) 16kDa secretory protein [Sus scrofa]	2.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
447	L16013	Rattus norvegicus Q-like gene sequence	0.54	3087760	(AJ005583) p75 protein [Crypthecodinium cohnii]	0.95
448	U60275	Capra hircus skeletal muscle voltage-gated chloride channel gCIC-1 mRNA, partial cds	0.54	1781344	(Y10438) FK506 polyketide synthase	0.95
449	U36795	Myxococcus xanthus rfbABC O-antigen biosynthesis operon, rfbA, rfbB, and rfbC genes, complete cds.	0.54	3877232	(Z81540) predicted using Genefinder	0.74
450	AF053091	Drosophila melanogaster eyelid (eld) mRNA, complete cds	0.54	2144110	zinc finger protein RIZ - rat >gi 949996	0.14
451	V00602	Genome of the bacteriophage fd (Inoviridae).	0.54	2661620	(AL009197) hypothetical protein	0.11
452	U60800	Human semaphorin (CD100) mRNA, complete cds	0.54	125682	KERATIN, ULTRA HIGH-SULFUR MATRIX PROTEIN (UHS KERATIN) >gi 109116 pir A36686 ultra-high-sulfur keratin - sheep >gi 1306 (X55294) ultra high-sulphur keratin protein [Ovis aries]	0.003
453	X85969	S.coelicolor secD, secF & apt genes	0.54	3874972	(Z99709) similar to Elongation factor Tu family (contains ATP/GTP binding P-loop); cDNA EST EMBL:D76223 comes from this gene; cDNA EST yk478c5.5 comes from this gene [Caenorhabditis elegans]	7e-06
454	Y08265	H.sapiens mRNA for DAN26 protein, partial	0.54	3875131	(Z70750) similar to vanadate resistance protein transmembranous domains [Caenorhabditis elegans]	5e-12

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Hydromantes platycephalus cytochrome b (cytb) gene, mitochondrial gene encoding mitochondrial protein, partial cds	0.53	<NONE>	<NONE>	<NONE>
455	U89613					
		Habrobracon hebetor cytochrome oxidase II gene, partial cds; and tRNA-Asp, tRNA-His, and tRNA-Lys genes, complete sequence, mitochondrial genes for mitochondrial products	0.53	<NONE>	<NONE>	<NONE>
456	AF034597					
		Yeast (S.cerevisiae) tau repetitive element and Cys-tRNA.	0.53	<NONE>	<NONE>	<NONE>
457	K02653					
		Human mRNA for actin-binding protein (filamin)	0.53	2134839	bullous pemphigoid antigen 2 - human	6.2
458	X53416					
		Drosophila subobscura alcohol dehydrogenase (Adh) gene, and alcohol dehydrogenase (Adh-dup) gene, complete cds's.	0.53	2136865	hair keratin cysteine rich protein - sheep	2.1
459	M55545					

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
460	U19362	Methanobacterium thermoautotrophicum methylene-tetrahydromethanopterin dehydrogenase (mtd), imidazoleglycerol-phosphate dehydrogenase (hisB), and putative ferredoxin (fdxA) genes, complete cds, orf9 gene, partial cds, orfs ...	0.53	731969	HYPOTHETICAL 91.6 KD PROTEIN IN HXT8-CRT1 INTERGENIC REGION >gi 1078261 pir S50773 probable membrane protein YJL212c - yeast (Saccharomyces cerevisiae) >gi 496950 (Z34098) ORF [Saccharomyces cerevisiae] >gi 1015596 (Z49487) ORF YJL212c	0.54
461	AB011527	Rattus norvegicus mRNA for MEGF1, complete cds	0.53	417037	GERM CELL-LESS PROTEIN fruit fly (Drosophila melanogaster) >gi 157490 (M97933) germ cell-less protein [Drosophila melanogaster]	3e-06
462	U64313	Bacillus firmus MsyB gene, 5' upstream region and partial cds	0.52	<NONE>	<NONE>	<NONE>
463	AF008590	Caenorhabditis elegans paraquat responsive protein (CePqM132) mRNA, complete cds	0.52	<NONE>	<NONE>	<NONE>
464	L10245	Mus saxicola spermidine/spermine N1-acetyltransferase (SSAT) gene, complete cds.	0.52	<NONE>	<NONE>	<NONE>
465	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.52	124263	INSULIN-LIKE GROWTH FACTOR IB PRECURSOR (IGF-IB) (SOMATOMEDIN C) >gi 69361 pir IGHU1B insulin-like growth factor IB precursor - human prepropeptide [Homo sapiens]	7.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Caenorhabditis elegans cosmid H31B20, complete sequence [Caenorhabditis elegans]	0.52	2589162	(D88451) aldehyde oxidase [Zea mays]	6.0
466	AL021066				(U39850) coded for by C. elegans cDNA yk37g1.5; coded for by C. elegans cDNA yk5c9.5; coded for by C. elegans cDNA yk1a9.5; alternatively spliced form of F52C9.8b	4.6
467	AF038588	Porphyra linearis 18S ribosomal RNA gene, 3' partial sequence	0.52	1055055		
468	AE001125	Borrelia burgdorferi (section 11 of 70) of the complete genome	0.52	4115827	(AB021287) polypeptide [Hepatitis G virus]	2.0
469	AF006640	Drosophila melanogaster Ste20-like protein kinase mRNA, complete cds	0.52	1109830	(U41534) coded for by C. elegans cDNA CEESI42F; Similar to helicases of SNF2/RAD54 family. [Caenorhabditis elegans]	0.002
470	U90177	Aplysia californica ubiquitin carboxyl-terminal hydrolase (Ap-uch) mRNA, complete cds	0.51	<NONE>	<NONE>	<NONE>
471	Z28304	S.cerevisiae chromosome XI reading frame ORF YKR079c	0.51	<NONE>	<NONE>	<NONE>
472	Z92837	Caenorhabditis elegans cosmid R03E1, complete sequence [Caenorhabditis elegans]	0.51	123506	HYDROPHOBIC SEED PROTEIN (HPS)	7.6
473	D13803	Mouse mRNA for RecA-like protein MmRad51, complete cds	0.51	3327228	(AB014607) KIAA0707 protein [Homo sapiens]	4.5
474	X07187	Pea hsp21 mRNA	0.51	3328678	(AE001299) hypothetical protein [Chlamydia trachomatis]	4.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
475	S63168	CCAAT/enhancer-binding protein delta=transcription factor CRP3 homolog [human, prostate carcinoma cell line LNCaP, Genomic, 1594 nt]	0.51	1653215	(D90911) apolipoprotein N-acyltransferase [Synechocystis sp.]	1.2
476	U67078	Xenopus laevis C2-HC type zinc finger protein X-MyT1 mRNA, complete cds	0.51	3850320	(AF067520) PITSLRE protein kinase beta SV2 isoform [Homo sapiens]	0.17
477	L38933	Homo sapiens GT198 mRNA, complete ORF	0.51	3219965	HYPOTHETICAL 100.6 KD TRP-ASP REPEATS CONTAINING PROTEIN C2C6.04C IN CHROMOSOME I	0.059
478	AF001000	Lycopersicon esculentum polygalacturonase 1	0.50	<NONE>	<NONE>	<NONE>
479	Z28304	S.cerevisiae chromosome XI reading frame ORF YKR079c	0.50	<NONE>	<NONE>	<NONE>
480	X97225	Oncorhynchus keta IGF-II gene	0.50	<NONE>	<NONE>	<NONE>
481	AJ001388	Homo Sapiens, RP58 cDNA for complete mRNA	0.50	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo Sapiens, RP58				
481	AJ001388	cDNA for complete mRNA	0.50	<NONE>	<NONE>	<NONE>
482	M86626	P.occultum 23S ribosomal RNA, partial cds.	0.50	<NONE>	<NONE>	<NONE>
483	U76523	Sambucus nigra lectin precursor mRNA, complete cds	0.50	1722856	CHROMOSOME ASSEMBLY PROTEIN XCAP-E African clawed frog >gi 563814 (U13674) XCAP-E [Xenopus laevis]	3.2
484	AF031663	Mus musculus striatin mRNA, complete cds	0.50	179521	(M63730) BPAG2 [Homo sapiens]	3.2
485	U32729	Haemophilus influenzae Rd section 44 of 163 of the complete genome	0.50	3875699	(Z92829) F10A3.15 [Caenorhabditis elegans]	0.65
486	AF067198	Dictyostelium discoideum clone 9.10 Tdd-3 and RED repetitive elements, partial sequence	0.50	2494740	HYPOTHETICAL 28.3 KD PROTEIN IN GBD 5'REGION (ORF4) >gi 2120954 pir I39562 ORF4 - Alcaligenes eutrophus >gi 695274 (L36817) ORF4	0.008
487	M23442	Human interleukin 4 (IL-4) gene, complete cds.	0.49	<NONE>	<NONE>	<NONE>
488	U16367	Caenorhabditis elegans POU homeobox protein CEH-18 (ceh-18) mRNA, complete cds.	0.47	3786409	(AF098499) contains similarity to Saccharomyces cerevisiae MAF1 protein (GB:U19492) [Caenorhabditis elegans]	8.9
489	AF001000	Lycopersicon esculentum polygalacturonase 1	0.45	<NONE>	<NONE>	<NONE>
490	Z18920	Yersinia enterocolitica wbb gene cluster	0.41	<NONE>	<NONE>	<NONE>
491	D86983	Human mRNA for KIAA0230 gene, partial cds	0.35	206712	(M64793) salivary proline-rich protein [Rattus norvegicus]	4e-05
492	AF064030	Helianthus tuberosus lectin 2 mRNA, complete cds	0.33	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Vitreoscilla sp. outer				
493	AF067083	membrane protein homolog gene, complete cds; Trp repressor binding protein gene, partial cds; and unknown genes	0.33	401553	HYPOTHETICAL 24.5 KD PROTEIN IN NADB-SRMB INTERGENIC REGION	8.3
494	Y15520	Papio hamadryas anubis gene encoding fertilin alpha-II	0.29	2408049	(Z99164) hypothetical protein	3.1
495	U33475	Alestes sp. ependymin mRNA, partial cds	0.28	3913078	ARYL HYDROCARBON RECEPTOR NUCLEAR TRANSLOCATOR HOMOLOG (DARNT) (TANGO PROTEIN) transcription factor [Drosophila melanogaster]	1.4
496	D88356	Mouse DNA for 8-oxodGTPase, complete cds	0.22	<NONE>	<NONE>	<NONE>
497	U67603	Methanococcus jannaschii section 145 of 150 of the complete genome	0.22	2209261	(U51222) p40 [Streptomyces halstedii]	8.3
498	U82386	Malurus cyaneus microsatellite McyU2	0.22	992631	(U29131) Mg-chelatase subunit [Synechocystis sp.]	0.56
499	Z49625	S.cerevisiae chromosome X reading frame ORF YJR125c	0.21	<NONE>	<NONE>	<NONE>
500	U64830	Dictyostelium discoideum AX2 protein tyrosine kinase gene, complete cds.	0.21	<NONE>	<NONE>	<NONE>
501	M24543	Human prostate-specific antigen (PA) gene, complete cds.	0.21	2764859	(X97918) gene 12.1 [Bacteriophage SPP1]	6.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					u0002b protein -	
502	X87618	B.taurus mRNA for thrombospondin (partial) 2162 bp	0.21	2146000	Mycobacterium tuberculosis tuberculosis >gi 1694863 gnl PID e283373 (Z83018) hypothetical protein Rv2968c [Mycobacterium tuberculosis]	3.5
503	X71591	B.taurus microsatellite sequence INRA048	0.21	1354453	(U52830) orf [Homo sapiens]	2.7
504	X57808	Human germline immunoglobulin lambda light chain gene	0.21	2119158	procollagen type V alpha 2 - mouse >gi 309181	2.7
505	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.21	2497139	HYPOTHETICAL 78.8 KD PROTEIN IN ABF2-CHL12 INTERGENIC REGION >gi 1078003 pir S52835 hypothetical protein YMR075w - yeast (Saccharomyces cerevisiae) >gi 763022 (Z48952) unknown [Saccharomyces cerevisiae]	2.0
506	U84216	Mycobacterium fortuitum plasmid pJAZ38 replication protein Rep (rep) gene, complete cds	0.21	2499087	UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (DUGT) glucosyltransferase - fruit fly (Drosophila sp.) glucosyltransferase precursor [Drosophila melanogaster]	0.003
507	U31463	Rattus norvegicus nonmuscle myosin heavy chain-A mRNA, complete cds.	0.21	3880111	(Z81130) predicted using Genefinder	0.002
508	X51508	Rabbit mRNA for aminopeptidase N (partial)	0.21	630864	LRR47 protein - fruit fly (Drosophila melanogaster) >gi 415947 (X75760) LRR47 [Drosophila melanogaster]	1e-06
509	AF086476	Homo sapiens full length insert cDNA clone ZD88F12	0.20	<NONE>	<NONE>	<NONE>
510	AF077006	Helicobacter pylori plasmid pHPM186, complete sequence	0.20	<NONE>	<NONE>	<NONE>
511	X75480	E.gunnii CAD gene.	0.20	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		T.aestivum				
512	X75036	mitochondrial nad7 gene for NADH dehydrogenase subunit 7	0.20	<NONE>	<NONE>	<NONE>
513	D90875	E.coli genomic DNA, Kohara clone #422(55.5-55.8 min.)	0.20	<NONE>	<NONE>	<NONE>
514	Z68343	Caenorhabditis elegans cosmid F59B8, complete sequence [Caenorhabditis elegans]	0.20	<NONE>	<NONE>	<NONE>
515	X62486	M.musculus V alpha 11.1 gene 5'-region	0.20	<NONE>	<NONE>	<NONE>
516	AF040651	Caenorhabditis elegans cosmid W04H10	0.20	1170683	PHOSPHORYLASE B KINASE ALPHA REGULATORY CHAIN, SKELETAL MUSCLE ISOFORM (PHOSPHORYLASE KINASE ALPHA M SUBUNIT) >gi 2135923 pir I38111 phosphorylase kinase (EC 2.7.1.38) - human >gi 791043	7.4
517	U10470	Pseudomonas fluorescens PHA depolymerase (phaZ) gene, complete cds.	0.20	3721862	(AB016024) Pfj2 [Plasmodium falciparum]	1.9
518	D83778	Human mRNA for KIAA0194 gene, partial cds	0.20	126363	LAMININ ALPHA-1 CHAIN PRECURSOR precursor - human	0.65
519	S43579	c-scr=pp60c-src, sdr=src downstream region	0.20	4159887	(AC004908) similar to ribosomal protein L23a; similar to P29316 (PID:g132848) [Homo sapiens]	0.52
520	U07357	Mus musculus Balb/c brain-specific kinase (Bsk) mRNA, complete cds.	0.20	206712	(M64793) salivary proline-rich protein [Rattus norvegicus]	0.51

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
521	AF034460	Penicillium thomii internal transcribed spacer 1, 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence	0.20	114136	AMINO-ACID ACETYLTRANSFERASE Pseudomonas aeruginosa >gi 151036 (M38358) N-acetylglutamate synthase [Pseudomonas aeruginosa]	0.39
522	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.20	2842674	POU DOMAIN CLASS 2, ASSOCIATING FACTOR 1 (B-CELL-SPECIFIC COACTIVATOR OBF-1) (OCT BINDING FACTOR 1) (BOB-1) (OCA-B) Bob1, B-cell-specific - mouse >gi 1881818 bbs 179852 mBob1=B-cell specific transcriptional coactivator line J558L, Peptide, 256 aa] >gi 1353792 (U43788) Oct binding factor 1 [Mus musculus] (AL032643) similar to Uncharacterized protein family UPF0034, Double-stranded RNA binding motif; cDNA EST yk489b3.5 comes from this gene; cDNA EST yk439g7.5 comes from this gene [Caenorhabditis elegans]	0.073
523	X95971	S.lividans groEL2 gene	0.20	3925277		4e-19
524	L41502	Ovis aries vasopressin V1 receptor (V1R) gene, complete cds	0.19	<NONE>	<NONE>	<NONE>
525	J03885	K.pneumoniae oxalacetate decarboxylase alpha subunit gene, complete cds.	0.19	<NONE>	<NONE>	<NONE>
526	AE001451	Helicobacter pylori, strain J99 section 12 of 132 of the complete genome	0.19	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
527	D88084	Pedicularis verticillata chloroplast DNA, intergenic region between trnT(UGU) and trnL(UAA)5'exon	0.19	<NONE>	<NONE>	<NONE>
528	U67599	Methanococcus jannaschii section 141 of 150 of the complete genome	0.19	<NONE>	<NONE>	<NONE>
529	J05500	Human beta-spectrin (SPTB) mRNA, complete cds.	0.19	<NONE>	<NONE>	<NONE>
530	Y10137	M.mycoides ftsY gene homologue and gene encoding hypothetical protein	0.19	<NONE>	<NONE>	<NONE>
531	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath- B) mRNA, complete cds	0.19	<NONE>	<NONE>	<NONE>
532	D43805	Mouse thymic stromal cell mRNA for TLSF-beta, complete cds	0.19	<NONE>	<NONE>	<NONE>
533	AJ012585	Tetrahymena thermophila macronuclear gene encoding ribosomal protein L3, exons 1-2	0.19	<NONE>	<NONE>	<NONE>
534	X51475	Brassica napus 5- enolpyruvylshikimate- 3-phosphate synthase gene	0.19	<NONE>	<NONE>	<NONE>
535	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	0.19	<NONE>	<NONE>	<NONE>
536	Z49625	S.cerevisiae chromosome X reading frame ORF YJR125c	0.19	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		H.sapiens pilot				
537	X63741	mRNA	0.19	<NONE>	<NONE>	<NONE>
538	Y11255	O.latipes mRNA for annexin max4	0.19	<NONE>	<NONE>	<NONE>
539	L63537	Oncorhynchus mykiss (clone Jb-10) beta-2 microglobulin (B2m) mRNA, complete cds.	0.19	<NONE>	<NONE>	<NONE>
540	X70903	N.tobacum T92 gene for auxin-binding protein	0.19	<NONE>	<NONE>	<NONE>
541	U61958	Caenorhabditis elegans cosmid C25A8	0.19	<NONE>	<NONE>	<NONE>
542	U33959	Macaca fascicularis fertilin beta mRNA, complete cds	0.19	<NONE>	<NONE>	<NONE>
543	Z49835	H.sapiens mRNA for protein disulfide isomerase	0.19	2113940	(Z95556) hypothetical protein Rv2507	9.4
544	AF035458	Spinacia oleracea heat shock 70 protein protein, complete cds	0.19	267293	PROBABLE E4 PROTEIN papillomavirus (type 1) >gi 61015 (X62844) E4 gene product [Pygmy chimpanzee papillomavirus type 1]	9.4
545	U23441	Tetrahymena thermophila B internal deletion sequence.	0.19	3877185	(Z66563) F46C3.2 [Caenorhabditis elegans]	9.3
546	U53921	Pneumocystis carinii major surface glycoprotein	0.19	3548901	(AF052502) DA26 homolog [Epiphyas postvittana nucleopolyhedrovirus]	9.3
547	L11002	Rat ankyrin binding glycoprotein-1 related mRNA sequence.	0.19	3337352	(AC004481) putative chromatin structural protein Supt5hp	9.1
548	U67560	Methanococcus jannaschii section 102 of 150 of the complete genome	0.19	3183689	(Y13585) serotonin receptor 4 [Cavia porcellus]	8.7
549	U18424	Mus musculus bacteria binding macrophage receptor MARCO mRNA, complete cds.	0.19	3659853	(AF089083) complement component C1qB like protein	7.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(U58751) C07G1.7 gene product [Caenorhabditis elegans]	
550	X66467	C.albicans sec18 gene	0.19	1326385		6.9
551	AF003487	Syngaster lepidus 16S ribosomal RNA gene, partial sequence	0.19	3122039	DIHYDROPYRIMIDINASE (DHPASE) dihydropyrimidinase - rat >gi 1378019 gnl PID d1010479	6.9
552	J05087	Rat calmodulin-sensitive plasma membrane Ca2+-transporting ATPase (PMCA3) mRNA, complete cds.	0.19	422462	hypothetical protein - fruit fly (Drosophila melanogaster) >gi 296434 (X68408) ORF [Drosophila melanogaster]	5.3
553	AF080464	Homo sapiens glutamate oxaloacetate transaminase	0.19	3024834	PROBABLE E4 PROTEIN >gi 790898 position 3286..3288 is first start codon; putative	5.3
554	U78876	Human MEK kinase 3 mRNA, complete cds	0.19	1710445	(U78083) unknown [Emericella nidulans]	5.3
555	AB009077	Vigna radiata mRNA for proton pyrophosphatase, complete cds	0.19	3256922	(AP000002) 256aa long hypothetical protein [Pyrococcus horikoshii]	5.1
556	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.19	4226159	(AF125463) contains similarity to BTB (also known as BR-C/Ttk) domains (Pfam:PF00651, Score=62.8, E=7.6e-15, N=1) [Caenorhabditis elegans]	4.1
557	AE000392	Escherichia coli K-12 MG1655 section 282 of 400 of the complete genome	0.19	3645960	(AL031583) 1-evidence=predicted by content; 1-method=genefinder;084; 1-method_score=47.46; 1-evidence_end; 2-evidence=predicted by match; 2-match_accession=SWISS-PROT:P23792; 2-match_description=DISCONNECTED PROTEIN.; 2-matc...	4.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
558	AE000392	Escherichia coli K-12 MG1655 section 282 of 400 of the complete genome	0.19	3645960	(AL031583) 1-evidence=predicted by content; 1-method=genefinder;084; 1-method_score=47.46; 1-evidence_end; 2-evidence=predicted by match; 2-match_accession=SWISS-PROT:P23792; 2-match_description=DISCONNECTED PROTEIN.; 2-matc...	4.0
559	L81774	Homo sapiens (subclone 3_d1 from P1 H25) DNA sequence	0.19	4001725	(AB015981) MnhA [Staphylococcus aureus]	3.0
560	AL021108	Drosophila melanogaster cosmid clone 137E7	0.19	4001688	(AB015718) protein kinase [Homo sapiens]	3.0
561	AB001510	Carabus leptoplesioides mitochondrial DNA for NADH dehydrogenase subunit 5, partial cds	0.19	3758855	(Z98551) MAL3P6.11 [Plasmodium falciparum]	2.4
562	AF069696	Egernia stokesii clone EST1 microsatellite	0.19	3328994	(AE001326) Amino Acid (Branched) Transport [Chlamydia trachomatis]	2.4
563	X64144	F.pringlei ppcA1 gene for phosphoenolpyruvate carboxylase	0.19	3242974	(AF069555) G protein-coupled receptor p2y3 [Meleagris gallopavo]	2.3
564	U56897	Human immunodeficiency virus type 1 gag polyprotein (gag) gene, partial cds	0.19	2257710	(U73041) resolvase-like protein [Thiobacillus ferrooxidans]	2.3
565	U57975	Danio rerio Notch homologue 3 mRNA, complete cds	0.19	3874971	(Z99709) similar to NAD dependant epimerase/dehydratase family; cDNA EST EMBL:C10103 comes from this gene; cDNA EST EMBL:D66400 comes from this gene; cDNA EST EMBL:D70143 comes from this gene; cDNA EST yk493h11.3 comes from ...	1.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					masquerade precursor - fruit fly (Drosophila melanogaster) >gi 665545 (U18130) masquerade [Drosophila melanogaster] >gi 1095942 prf 2110286A masquerade gene	
566	Y12502	R.norvegicus mRNA for factor XIIIa	0.19	2133693		1.8
567	S82470	BB1=malignant cell expression-enhanced gene/tumor progression-enhanced gene [human, UM-UC-9 bladder carcinoma cell line, mRNA, 1897 nt]	0.19	2444026	(U77783) N-methyl-D-aspartate receptor 2D subunit precursor [Homo sapiens]	1.8
568	U97408	Caenorhabditis elegans cosmid F48A9	0.19	542433	225K protein - Babesia bovis (fragment)	1.8
569	U10470	Pseudomonas fluorescens PHA depolymerase (phaZ) gene, complete cds.	0.19	3721862	(AB016024) Pfj2 [Plasmodium falciparum]	1.7
570	M88160	Ovis aries MAF214 locus polymorphic dinucleotide repeat .	0.19	1293816	(U56963) T13A10.5 gene product [Caenorhabditis elegans]	1.4
571	AJ131336	triticum sativum mRNA for pollen allergen (Hol i 2, group II) > :: emb AJ131339 LIT131339 Lolium italicum mRNA for pollen allergen (Lol i 2, group II) > allergen (Poa p 2, group II) > :: emb AJ131338 TAE131338 Triticum aestivum mRNA for pollen allergen (Tri a 2, group II)	0.19	3880447	(AL032675) predicted using Genefinder	0.82
572	X84036	S.cerevisiae ARG8 and CDC33 genes	0.19	3882041	(AJ010405) hypothetical protein	0.62

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human WD protein			mucin - human >gi 501033	
573	U57058	IR10 pre-mRNA, partial cds	0.19	631302	(U14383) mucin [Homo sapiens]	0.60
574	AF034460	Penicillium thomii internal transcribed spacer 1, 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence	0.19	114136	AMINO-ACID ACETYLTRANSFERASE Pseudomonas aeruginosa >gi 151036 (M38358) N-acetylglutamate synthase [Pseudomonas aeruginosa]	0.35
575	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.19	105270	alpha-2-adrenergic receptor - human name 'ADRA2R' [Homo sapiens]	0.27
576	AG001475	Homo sapiens genomic DNA, 21q region, clone: 125H6N2	0.19	94977	hypothetical protein 3 - Pseudomonas sp. (DSM 6898) plasmid pKB740 >gi 45867 (X66604) ORF3	0.16
577	M63284	Mouse IgG receptor (beta-Fc-gamma-RII) gene, exons 9 and 10, clones lambda-Fc(3.2.93).	0.19	3024681	TRANSCRIPTION INITIATION FACTOR TFIID 135 KD SUBUNIT (TAFII-135) (TAFII135) (TAFII-130) of RNA polymerase II transcription factor TFIID [Homo sapiens]	0.088
578	U38241	Pseudomonas aeruginosa orotate phosphoribosyl transferase (pyrE), catabolite repression control protein (crc) and RNasePH (rph) genes, complete cds	0.19	3044086	(AF055904) unknown [Myxococcus xanthus]	0.052
579	AF039734	Lontra longicaudis transthyretin intron 1, partial sequence	0.19	322759	pistil extensin-like protein (clone pMG14) - common tobacco (fragment) >gi 19927 (Z14015) pistil extensin like protein [Nicotiana tabacum]	0.030
580	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.19	2147194	collagen - Paralvinella grasslei	0.002

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
581	AB004232	Drosophila melanogaster mRNA for DAD polypeptide, complete cds	0.19	2498765	PEROXISOMAL MEMBRANE PROTEIN PEX16 lipolytica]	0.002
582	AF098919	Gallus gallus alpha-globin gene domain 5' region	0.19	1086863	(U41272) T03G11.6 gene product [Caenorhabditis elegans]	4e-05
583	AE001457	Helicobacter pylori, strain J99 section 18 of 132 of the complete genome	0.19	2924552	(AL022018) 1-evidence=predicted by content; 1-method=genefinder;084; 1-method_score=165.48; 1-evidence_end; 2-evidence=predicted by match; 2-match_accession=AA264666; 2-match_description=LD08351.5p rime LD Drosophila melanoga...	3e-05
584	L10329	Plasmid RP4 traE gene, 3' end; traD gene, complete cds; traF gene, 5' end.	0.19	3878117	(Z49068) mitochondrial carrier protein	8e-07
585	AE001155	Borrelia burgdorferi (section 41 of 70) of the complete genome	0.19	861276	(U28739) similar to TPR domains in e.g. yeast STI1 protein [Caenorhabditis elegans]	2e-12
586	U49979	Orf virus E10R homolog gene, partial cds, and DNA polymerase gene, complete cds	0.19	3850072	(AL033385) dna-directed rna polymerase iii subunit [Schizosaccharomyces pombe]	1e-15
587	U88155	Xenopus laevis RanGTPase activating protein	0.19	995714	(X91258) pid:e198503 [Saccharomyces cerevisiae]	4e-16
588	AF061854	Schizosaccharomyces pombe Clr4p (clr4) gene, complete cds	0.19	3242750	(AC005164) match to ESTs AA731149 (NID:g2140138), AA731908 (NID:g2752719), AA287837 (NID:g1933519), AA262811 (NID:g1898382), and AA825820 (NID:g2899132)	5e-19
589	M23865	S.cerevisiae CHS2 gene encoding chitin synthase.	0.18	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.18	<NONE>	<NONE>	<NONE>
590	U95094					
591	AF067610	Caenorhabditis elegans cosmid F41A4	0.18	<NONE>	<NONE>	<NONE>
592	AF036329	Homo sapiens gonadotropin-releasing hormone precursor, second form (GnRH-II) gene, complete cds	0.18	<NONE>	<NONE>	<NONE>
593	Z49216	H.sapiens mitoxantrone-resistance associated mRNA	0.18	<NONE>	<NONE>	<NONE>
594	X02167	Torulopsis glabrata mitochondrial DNA for tRNA-Thr,-His and -Glu upstream of cytochrome b gene	0.18	<NONE>	<NONE>	<NONE>
595	Z31561	R.communis (Carmencita) Scr1 mRNA for sucrose carrier	0.18	<NONE>	<NONE>	<NONE>
596	L81692	Homo sapiens (subclone 2_c9 from P1 H56) DNA sequence	0.18	1346575	55 KD ERYTHROCYTE MEMBRANE PROTEIN	8.4
597	X57310	Nocardia lactamdurans pcbAB and pcbC genes for alpha-aminoadipyl-L-cysteinyl-D-valine synthetase and isopenicillin N synthase	0.18	126404	SEED LIPOXYGENASE-2 (L-2) soybean >gi 170014 (J03211) lipxygenase (EC 1.13.11.12)	6.5
598	U18315	Sus scrofa parathyroid receptor (PTH) mRNA, complete cds	0.18	1022323	(X04647) collagen alpha-2(IV) chain [Mus musculus]	3.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
599	AL010158	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-85, complete sequence	0.18	2506816	VERSICAN CORE PROTEIN PRECURSOR PROTEOGLYCAN CORE PROTEIN 2) (GLIAL HYALURONATE-BINDING PROTEIN) (GHAP) >gi 608515 (U16306) chondroitin sulfate proteoglycan versican V0 splice-variant precursor peptide	3.7
600	AB005287	Bos taurus mRNA for thrombospondin 1, complete cds	0.18	2146000	u0002b protein - Mycobacterium tuberculosis tuberculosis] >gi 1694863 gnl PID e283373 (Z83018) hypothetical protein Rv2968c [Mycobacterium tuberculosis]	2.9
601	AL021108	Drosophila melanogaster cosmid clone 137E7	0.18	3483032	(AL031371) hypothetical protein SC4G2.06 [Streptomyces coelicolor]	2.9
602	U57975	Danio rerio Notch homologue 3 mRNA, complete cds	0.18	85719	collagen alpha 1'(II) chain precursor - African clawed frog (AL021387) similar to Zinc finger, C4 type (two domains); cDNA EST yk452f4.5 comes from this gene; cDNA EST EMBL:T00774 comes from this gene receptor NHR-3 [Caenorhabditis elegans]	1.7
603	M30124	P.aeruginosa autonomously replicating sequence.	0.18	3878017	STEM CELL PROTEIN chicken >gi 62845 (X63371) transforming capacity [Gallus gallus]	1.3
604	X54965	G.sp alpha 5HR DNA	0.18	134304	(X98893) hTAFII68 [Homo sapiens] splicing [Homo sapiens]	1.3
605	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.18	1628403	92 KD TYPE IV COLLAGENASE PRECURSOR IV, 92K, precursor - rat >gi 1022784 (U36476) 92-kDa type IV collagenase [Rattus norvegicus]	1.2
606	U20793	Oryctolagus cuniculus renal sodium-dependent phosphate transporter type II mRNA, complete cds.	0.18	1705984		

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
607	U23427	Human cholecystokinin type A receptor (CCK-A) gene, exons 1 and 2.	0.18	3261734	(Z94752) hypothetical protein Rv1004c	0.97
608	U49953	Rattus norvegicus protein kinase MUK2 mRNA, complete cds	0.18	551238	(X81847) pectate lyase 1 [Erwinia carotovora]	0.43
609	J00182	Human alpha globin gene cluster on chromosome 16: zeta gene.	0.18	1585259	traJ gene [Amycolatopsis methanolica]	0.41
610	X62513	M.gallopavo gene for metallothionein	0.18	2494740	HYPOTHETICAL 28.3 KD PROTEIN IN GBD 5'REGION (ORF4) >gi 2120954 pir I39562 ORF4 - Alcaligenes eutrophus >gi 695274 (L36817) ORF4	0.31
611	X04862	Goat embryonic alpha globin gene zeta exons 2-3	0.18	86837	androgen receptor B - human	0.082
612	M12450	Rat vitamin D binding protein (DBP) mRNA, complete cds.	0.18	4210432	(AJ130783) APC2 protein [Mus musculus]	0.038
613	AF038539	Mus musculus muscle NSP-like 1 (Nspl1) mRNA, complete cds	0.18	3297877	(AJ224868) GNAS1 [Homo sapiens]	0.029
614	X78401	Bacteriophage P22 right operon, orf 48, replication genes 18 and 12, nin region genes, ninG phosphatase, late control gene 23, orf 60, complete cds, late control region, start of lysis gene 13	0.18	1123087	(U42436) C49H3.3 gene product [Caenorhabditis elegans]	0.009
615	D38754	Pig mRNA for inter-alpha-trypsin inhibitor heavy-chain H1, complete cds	0.18	1397275	(U61947) C06G3.8 gene product [Caenorhabditis elegans]	7e-06

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					LRR47 protein - fruit fly	
616	X51508	Rabbit mRNA for aminopeptidase N (partial)	0.18	630864	(Drosophila melanogaster) >gi 415947 (X75760) LRR47 [Drosophila melanogaster]	6e-07
617	X54850	S.kluyveri linear plasmid pSKL DNA for open reading frames 1-10	0.18	3183405	HYPOTHETICAL 11.3 KD PROTEIN C2C6.07 IN CHROMOSOME I >gi 2370504 gnl PID e339194 pombe] >gi 3451305 gnl PID e1316730 (AL031324) very hypothetical protein [Schizosaccharomyces pombe]	2e-08
618	L21954	Human peripheral benzodiazepine receptor gene, exon 4.	0.18	3925211	(AL052626) cDNA EST EMBL:D70654 comes from this gene; cDNA EST EMBL:Z14359 comes from this gene; cDNA EST EMBL:D33409 comes from this gene; cDNA EST EMBL:D36239 comes from this gene; cDNA EST EMBL:Z14766 comes from this gene...	4e-09
619	U09355	Oryctolagus cuniculus protein phosphatase 2A1 B gamma subunit (skeletal muscle isolate) mRNA, complete cds.	0.18	3947877	(AL034382) putative mitosis and maintenance of ploidy protein [Schizosaccharomyces pombe]	8e-11
620	X58715	T.cruzi hsp70 mRNA for 70 kDa heat shock protein, partial cds	0.18	3024081	MYOSIN LIGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (MLCK) (CONTAINS: TELOKIN)	9e-12
621	AF060195	Mus musculus proteasome regulator PA28 beta subunit gene, complete cds	0.18	861276	(U28739) similar to TPR domains in e.g. yeast STI1 protein [Caenorhabditis elegans]	1e-14
622	L27235	Methylobacterium extorquens serine cycle proteins	0.18	2688949	(AF027208) AC133 antigen [Homo sapiens]	1e-14

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
623	AF006573	Drosophila virilis maltase 1 (Mav1) and maltase 2 (Mav2) genes, complete cds	0.18	2500558	PUTATIVE RIBONUCLEASE III (RNASE III) >gi 3876420 gnl PID e1346063 (Z81070) similar to ribonuclease [Caenorhabditis elegans]	2e-23
624	AF001782	Staphylococcus aureus strain SA502A AgrB	0.17	<NONE>	<NONE>	<NONE>
625	AJ223364	Homo sapiens germ-line DNA upstream of Jkappa locus	0.17	<NONE>	<NONE>	<NONE>
626	J03059	Human glucocerebrosidase (GCB) gene, complete cds	0.17	<NONE>	<NONE>	<NONE>
627	AB008860	Fugu rubripes Ca12 gene for pheromone receptor, complete cds	0.17	2198849	(AF004900) E3KARP [Homo sapiens] >gi 2665826 (AF035771) Na+/H+ exchanger regulatory factor 2 [Homo sapiens] factor 2 [Homo sapiens] >gi 3618353 gnl PID d1034182 exchanger isoform A3 [Homo sapiens]	7.8
628	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.17	539355	SCD25 protein (version 1) - yeast	7.5
629	AF059650	Homo sapiens histone deacetylase 3 (HDAC3) gene, complete cds	0.17	482118	hypothetical protein C15H7.1 - Caenorhabditis elegans	4.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
630	AF059650	Homo sapiens histone deacetylase 3 (HDAC3) gene, complete cds	0.17	465932	HYPOTHETICAL 83.2 KD PROTEIN F58A4.11 IN CHROMOSOME III >gi 3874287 gnl PID e1344088 EST EMBL:C12577 comes from this gene; cDNA EST yk227e7.5 comes from this gene; cDNA EST yk303d1.5 comes from this gene; cDNA EST yk314c12.5 comes from this gene; cDNA ... EMBL:C11886 comes from this gene; cDNA EST EMBL:C12577 comes from this gene; cDNA EST yk227e7.5 comes from this gene; cDNA EST yk303d1.5 comes from this gene; cDNA EST yk314c12.5 comes from this gene; cDNA ...	4.4
631	X55065	Chinese hamster metallothionein II gene	0.17	3687237	(AC005169) putative Cys3His zinc-finger protein	1.5
632	U15280	Rattus norvegicus oxytocin receptor (OTR) gene, exon 3 and complete cds	0.17	542565	cyclin E type II - fruit fly (Drosophila melanogaster) >gi 429168 (X75027) Drosophila cyclin E type II [Drosophila melanogaster]	0.45
633	X04862	Goat embryonic alpha globin gene zeta exons 2-3	0.17	86837	androgen receptor B - human	0.080
634	AL010222	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-09, complete sequence	0.17	1177322	(X95466) CPG2 protein [Rattus norvegicus] >gi 1588593 prf 2208498A plasticity-related gene [Rattus norvegicus]	7e-07
635	X60111	H.sapiens mRNA for MRP-1	0.17	3237306	(U92715) breast cancer antiestrogen resistance 3 protein	3e-09
636	U49979	Orf virus E10R homolog gene, partial cds, and DNA polymerase gene, complete cds	0.17	3850072	(AL033385) dna-directed rna polymerase iii subunit [Schizosaccharomyces pombe]	7e-15

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
637	AF006573	<i>Drosophila virilis</i> maltase 1 (Mav1) and maltase 2 (Mav2) genes, complete cds	0.17	2500558	PUTATIVE RIBONUCLEASE III (RNASE III) >gi 3876420 gnl PID e1346063 (Z81070) similar to ribonuclease [Caenorhabditis elegans]	2e-29
638	AE001141	<i>Borrelia burgdorferi</i> (section 27 of 70) of the complete genome	0.16	1850327	(U52370) fertilin beta [Homo sapiens]	2.3
639	M72980	<i>Anthonomus grandis</i> vitellogenin gene (VTG), complete cds.	0.12	3242750	(AC005164) match to ESTs AA731149 (NID:g2140138), AA731908 (NID:g2752719), AA287837 (NID:g1933519), AA262811 (NID:g1898382), and AA825820 (NID:g2899132)	2e-56
640	AF023532	<i>Simulium vittatum</i> ATPase 6 gene, mitochondrial gene encoding mitochondrial protein, partial cds	0.11	<NONE>	<NONE>	<NONE>
641	U76523	<i>Sambucus nigra</i> lectin precursor mRNA, complete cds	0.10	3482965	(AL031369) putative protein	0.49
642	AJ001596	<i>Danio rerio</i> mRNA for opioid receptor homologue	0.099	1706694	LANOSTEROL SYNTHASE 5.4.99.7) - fission yeast (<i>Schizosaccharomyces pombe</i>)	2.3
643	U26341	<i>Oryctolagus cuniculus</i> Na and Cl dependent betaine transporter mRNA, complete cds.	0.099	2645804	(AF033381) betaine homocysteine methyl transferase [<i>Mus musculus</i>]	0.59
644	M11633	Bacteriophage Cp-5 (<i>S.pneumoniae</i>) 3' inverted terminal repeat.	0.082	2314695	(AE000649) type IIS restriction enzyme R and M protein	4.3
645	X74103	<i>Streptomyces</i> sp. gene for alkaline serine protease I	0.073	1314734	(U54641) 220 kDa silk protein [<i>Chironomus thummi</i>]	6.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Caenorhabditis elegans cosmid F32G8, complete sequence [Caenorhabditis elegans]	0.072	<NONE>	<NONE>	<NONE>
646	Z72509					
647	X70282	X.laevis xanf-1 gene	0.070	3851202	(AC005954) ZO-3 [Homo sapiens] [Homo sapiens]	0.40
		Human DNA sequence from cosmid E141E2, on chromosome 22, complete sequence [Homo sapiens]	0.069	<NONE>	<NONE>	<NONE>
648	Z69906					
649	AF056940	Drosophila virilis retrotransposon Tv1, complete sequence	0.069	2246532	(U93872) ORF 73, contains large complex repeat CR 73	5e-12
650	AJ001151	Homo sapiens genomic sequence	0.068	<NONE>	<NONE>	<NONE>
651	X54455	Bacteriophage BF23 gene 17 and gene 18	0.067	<NONE>	<NONE>	<NONE>
		P.pinea internal transcribed spacers 1 & 2 of ribosomal DNA	0.067	2459733	(U95374) aldehyde dehydrogenase [Haloferax volcanii]	4.3
652	X87936					
653	AF019236	Dictyostelium discoideum TipD (tipD) gene, complete cds	0.067	3882275	(AB018320) KIAA0777 protein [Homo sapiens]	1.1
		O.cuniculus mRNA for p53 protein	0.067	1703275	METHIONINE AMINOPEPTIDASE 2 (METAP 2) GLYCOPROTEIN (P67)	0.29
654	X90592					
655	U41805	Mus musculus putative T1/ST2 receptor binding protein precursor mRNA, partial cds	0.067	642518	(U17326) neuronal nitric oxide synthase [Homo sapiens]	0.29
		Homo sapiens KIAA0421 mRNA, partial cds	0.066	<NONE>	<NONE>	<NONE>
656	AB007881					
657	AL010213	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-109, complete sequence	0.066	<NONE>	<NONE>	<NONE>

	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
658	AB014546	Homo sapiens mRNA for KIAA0646 protein, complete cds	0.066	1082461	homeotic protein HB9 - human	0.38
659	AF104156	Rattus exulans isolate huahine30 mitochondrial D-loop, partial sequence	0.066	1002380	(U24189) RRM-type RNA binding protein [Caenorhabditis elegans]	0.29
660	X97581	M.musculus mRNA for spalt transcription factor	0.066	4107313	(AL035075) putative myosin heavy chain	0.28
661	D85378	Human clone H20 N-acetylglucosaminyltransferase III DNA, exon 2	0.066	2114473	(U96963) p140mDia [Mus musculus]	0.22
662	M97561	Human (clone LA179) chromosome 21 sequence.	0.065	<NONE>	<NONE>	<NONE>
663	AE001373	Plasmodium falciparum chromosome 2, section 10 of 73 of the complete sequence	0.065	<NONE>	<NONE>	<NONE>
664	S75479	growth hormone receptor, growth hormone binding protein {GHR/BP gene} [mice, C57 black/6, Genomic, 179 nt, segment 8 of 10]	0.065	<NONE>	<NONE>	<NONE>
665	AF032922	Homo sapiens syntaxin 4 binding protein UNC-18c (UNC-18c) mRNA, complete cds	0.065	3061308	(AB006074) topoisomerase III [Mus musculus]	0.82
666	S80986	svp[40]=svp-related nuclear receptor/retinoid signaling modulator [zebrafishes, mRNA, 3876 nt]	0.065	1326288	(U58734) weak similarity to ankyrin G [Caenorhabditis elegans]	0.12

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
667	X59552	G.domesticus mRNA for ventricular myosin heavy chain	0.065	2497098	HYPOTHETICAL 74.2 KD PROTEIN IN AMD1-RAD52 INTERGENIC REGION >gi 1077180 pir S49745 probable membrane protein YML034w - yeast (Saccharomyces cerevisiae) >gi 575685 (Z46659) unknown orf, len: 656, CAI: 0.13 [Saccharomyces cerevisiae]	0.014
668	M72980	Anthonomus grandis vitellogenin gene (VTG), complete cds.	0.065	3242750	(AC005164) match to ESTs AA731149 (NID:g2140138), AA731908 (NID:g2752719), AA287837 (NID:g1933519), AA262811 (NID:g1898382), and AA825820 (NID:g2899132)	5e-33
669	AB014546	Homo sapiens mRNA for KIAA0646 protein, complete cds	0.064	<NONE>	<NONE>	<NONE>
670	M30039	Sheeppox virus strain KS-1 ORF HM1 gene, partial cds; ORF HM2 and ORF HM3 genes, complete cds; and ORF HM4 gene, partial cds	0.064	<NONE>	<NONE>	<NONE>
671	Z68013	Caenorhabditis elegans cosmid W02H3, complete sequence [Caenorhabditis elegans]	0.064	<NONE>	<NONE>	<NONE>
672	AF041332	Bodo saltans unknown mRNA, kinetoplast gene encoding kinetoplast protein. complete cds	0.064	<NONE>	<NONE>	<NONE>
673	J00451	Mouse germline IgG-3 chain gene, D-J-C region, and switch region.	0.064	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
674	U41289	Dictyostelium discoideum K7 kinesin-like protein mRNA, complete cds	0.064	3482972	(AL031369) putative protein	9.3
675	M37395	L.lactis (strain SK11) proteinase plasmid pSK111 DNA, complete cds.	0.064	993019	(X87246) alternative start codon [Pseudorabies virus]	9.2
676	Z15030	H.sapiens gene for ventricular myosin light chain 2 > :: gb L01652 HUMVM LC Human ventricular myosin light chain 2 gene, seven exons.	0.064	730343	PROLACTIN RECEPTOR PRECURSOR (PRL-R) mouse >gi 220576 gnl PID d1001535 (D10214) prolactin receptor precursor [Mus musculus] >gi 293770 (L14811) prolactin receptor [Mus musculus] >gi 347842 (L13593) prolactin receptor [Mus musculus] receptor:ISOTYPE=long form [Mus musculus]	9.1
677	Z12021	G.max gene for catalase	0.064	2498711	ORIGIN RECOGNITION COMPLEX PROTEIN, SUBUNIT 2 >gi 1185461 (U38472) essential ORC2-related fission replication factor Orp2 [Schizosaccharomyces pombe]	5.3
678	L05668	Entamoeba histolytica protein serine/threonine kinase (pstk1) gene, complete cds.	0.064	733140	(U22453) carboxypeptidase [Simulium vittatum]	5.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
679	U50715	Mus musculus alpha-galactosidase A gene, complete cds	0.064	125398	HYGROMYCIN-B KINASE (HYGROMYCIN B PHOSPHOTRANSFERASE) (APH(7")) >gi 66885 pir WGSMMH hygromycin B phosphotransferase (EC 2.7.1.-) Streptomyces hygrosopicus >gi 581682 (X03615) pot. hyg protein [Streptomyces hygrosopicus] phosphotransferase [synthetic construct] >gi 2739064 cloning vector] >gi 2739068 (AF025747) hygromycin B phosphotransferase [unidentified cloning vector]	2.3
680	Z28182	S.cerevisiae chromosome XI reading frame ORF YKL182w	0.064	1079035	Om(2D) protein - fruit fly (Drosophila ananassae) >gi 443770 gnl PID d1006095 (D26553) ORF	1.8
681	M29917	Human ornithine aminotransferase gene, exon 1.	0.064	2317934	(U97553) unknown [murine herpesvirus 68]	1.4
682	AB020709	Homo sapiens mRNA for KIAA0902 protein, complete cds	0.064	861404	(U29154) T07F12.3 gene product [Caenorhabditis elegans]	0.47
683	AB014546	Homo sapiens mRNA for KIAA0646 protein, complete cds	0.064	1708118	HOMEBOX PROTEIN HB9 >gi 507425	0.35
684	AB010427	Homo sapiens mRNA for NORI-1, complete cds	0.064	2388676	(AF015539) precollagen P [Mytilus edulis]	0.018
685	U34774	Orf virus ankyrin-like repeat protein, F11L homolog, and F12L homolog genes, complete cds.	0.064	731668	SSF1 PROTEIN >gi 626624 pir S46700 SSF1 protein - yeast (Saccharomyces cerevisiae)	1e-05
686	AF022861	Mus musculus neuropilin-2(a5) mRNA, alternatively spliced, complete cds	0.064	4091978	(AF073359) benzaldehyde dehydrogenase [Pseudomonas sp. DJ77]	1e-05

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AC004010) similar to Leucine-rich transmembrane proteins; 44% similarity to U42767 (PID:g1736918) [Homo sapiens]	
687	U14331	Sus scrofa myogenin gene, complete cds	0.064	2781386		3e-33
688	AF074870	Chironomus pallidivittatus clone 1219 non-telomeric Ssp repeat sequence	0.063	<NONE>	<NONE>	<NONE>
689	Z25523	H.sapiens repeat region DNA.	0.063	<NONE>	<NONE>	<NONE>
690	AE001378	Plasmodium falciparum chromosome 2, section 15 of 73 of the complete sequence	0.063	<NONE>	<NONE>	<NONE>
691	Z72947	S.cerevisiae chromosome VII reading frame ORF YGR162w	0.063	<NONE>	<NONE>	<NONE>
692	Y14723	Choanomphalus incertus mitochondrial cytochrome c oxidase subunit I gene, partial	0.063	<NONE>	<NONE>	<NONE>
693	X74103	Streptomyces sp. gene for alkaline serine protease I	0.063	1730713	HYPOTHETICAL 108.5 KD PROTEIN IN UME3-PUB1 INTERGENIC REGION >gi 2131866 pir S62935 hypothetical protein YNL023c - yeast (Saccharomyces cerevisiae) >gi 1301855 gnl PID e239870 (Z71299) ORF YNL023c [Saccharomyces cerevisiae]	6.7
694	AF039843	Homo sapiens Sprouty 2 (SPRY2) mRNA, complete cds	0.063	232217	GLUTATHIONE S-TRANSFERASE GST-6.0 (GST B1-1) >gi 421198 pir S29772 glutathione transferase (EC 2.5.1.18) - Proteus mirabilis >gi 2126142 pir S71882 glutathione transferase (EC 2.5.1.18) B - Proteus mirabilis >gi 1053076 (U38482)	5.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
695	M63650	Mouse M-twist gene mRNA, complete cds.	0.063	1730141	FRAGILE X MENTAL RETARDATION SYNDROME RELATED PROTEIN 2 >gi 2135129 pir S60173 fragile X mental retardation syndrome related protein - human >gi 1098637 (U31501) fragile X mental retardation syndrome related protein [Homo sapiens]	1.8
696	Y13298	Homo sapiens GDP dissociation inhibitor beta pseudogene	0.063	1085930	hypothetical protein 4 - fowl adenovirus 1	1.3
697	X56600	Rat SOD-2 gene for manganese-containing superoxide dismutase	0.063	3882143	(AB018254) KIAA0711 protein [Homo sapiens]	0.60
698	Z23107	M.musculus mRNA for 5HTx serotonin receptor	0.063	1708162	HUNTINGTIN (HUNTINGTON'S DISEASE PROTEIN HOMOLOG) (HD PROTEIN)	0.45
699	M20670	Plasmodium vivax circumsporozoite protein gene, 3' end.	0.063	4033395	DNA GYRASE SUBUNIT B subunit [Myxococcus xanthus]	0.35
700	Z62997	H.sapiens CpG DNA, clone 76g11, reverse read cpg76g11.rt1a .	0.063	1350911	RETINOIC ACID RECEPTOR RXR-BETA sapiens] >gi 3172498 (AF065396) retinoic X receptor B dJ1033B10.11 (Retinoid X receptor beta (RXRB)) [Homo sapiens] >gi 4249766 (AF120161) retinoic X receptor beta	0.16
701	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.063	2981200	(AF048732) cyclin T2b [Homo sapiens]	0.090
702	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.063	3877951	(Z81555) predicted using Genefinder	6e-07
703	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.063	3393018	(AL031174) hypothetical protein	2e-10

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		E.coli genomic DNA,				
704	D90872	Kohara clone #419(54.7-55.1 min.)	0.063	2498198	CYTOCHROME B561 (CYTOCHROME B-561)	3e-19
705	M25528	M.crystallinum ferredoxin-NADP+ reductase (fnrA) mRNA, complete cds.	0.062	<NONE>	<NONE>	<NONE>
706	U45256	Strongyloides ratti microsatellite B DNA	0.062	<NONE>	<NONE>	<NONE>
707	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.062	<NONE>	<NONE>	<NONE>
708	AF044317	Homo sapiens TEL/AML1 fusion gene, partial sequence	0.062	<NONE>	<NONE>	<NONE>
709	Z73975	Caenorhabditis elegans cosmid T06E8, complete sequence [Caenorhabditis elegans]	0.062	3108187	(AC004663) Notch 3 [Homo sapiens]	2.9
710	X54232	Human mRNA for heparan sulfate proteoglycan	0.062	1076741	chitinase (EC 3.2.1.14) precursor - rice precursor - rice >gi 807955 (X87109) chitinase [Oryza sativa]	0.59
711	X03073	Bovine retinal mRNA for transducin beta-subunit	0.062	477578	sialidase - Actinomyces viscosus >gi 141852	0.087
712	Y12573	D.melanogaster Jun and 14-3-3 zeta gene	0.062	3879551	(Z70756) similar to collagen	0.073
713	L26573	Bombus terrestris mitochondrial cytochrome oxidase I, partial cds.	0.062	1684959	(U20600) NADH dehydrogenase subunit [Vanda lamellata]	0.039

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					AMINOPEPTIDASE B	
714	U58994	Human ladinin (LAD) gene, complete cds	0.062	2811078	(ARGINYL AMINOPEPTIDASE) (ARGININE AMINOPEPTIDASE) (CYTOSOL AMINOPEPTIDASE IV) (AP-B) >gi 2039143 (U61696) aminopeptidase B [Rattus norvegicus]	9e-06
715	AB014553	Homo sapiens mRNA for KIAA0653 protein, partial cds	0.062	1326350	(U58748) similar to potential transmembrane domains in S. cerevisiae nucleic division RFT1 protein (SP:P38206)	5e-10
716	L16898	Mus musculus collagen alpha 1 type XVIII mRNA, 5'end.	0.062	1723657	HYPOTHETICAL 38.5 KD PROTEIN IN ERV1-GLS2 INTERGENIC REGION >gi 2132587 pir S64322 probable membrane protein YGR031w - yeast (Saccharomyces cerevisiae) >gi 1323010 gnl PID e243277 (Z72816) ORF YGR031w [Saccharomyces cerevisiae]	1e-14
717	X99343	M.tuberculosis guaA/B & choD genes	0.062	3873807	(Z49907) B0491.1 [Caenorhabditis elegans]	2e-19
718	AF010193	Homo sapiens MAD-related gene SMAD7 (SMAD7) mRNA, complete cds	0.061	<NONE>	<NONE>	<NONE>
719	L10182	Myrmeleon sp. 18S ribosomal RNA.	0.061	<NONE>	<NONE>	<NONE>
720	Y14723	Choanomphalus incertus mitochondrial cytochrome c oxidase subunit I gene, partial	0.061	<NONE>	<NONE>	<NONE>
721	L27840	Bovine respiratory syncytial virus nucleoprotein mRNA, complete cds.	0.061	542955	nucleoporin p62 - human	8.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					Sus scrofa	
722	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.061	494454	>gi 494455 pdb IPOS B Sus scrofa Sus scrofa >gi 1421210 pdb 1PCP Porcine Spasmolytic Protein (Psp) (Nmr, 19 Structures) Spasmolytic Polypeptide >gi 1633061 pdb 2PSP B Chain B, Porcine Pancreatic Spasmolytic Polypeptide	2.9
723	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.061	3845272	(AE001417) hypothetical protein [Plasmodium falciparum]	1.3
724	U26463	Sporidiobolus salmonicolor NADPH-dependent aldehyde reductase gene, complete cds	0.061	1710288	(U79302) unknown [Homo sapiens]	0.44
725	AF035443	Xenopus laevis weel homolog mRNA, complete cds	0.061	3979720	(Z50107) cDNA EST EMBL:D33048 comes from this gene; cDNA EST EMBL:D35780 comes from this gene; cDNA EST yk442c6.3 comes from this gene; cDNA EST yk442c6.5 comes from this gene; cDNA EST yk398f6.3 comes from this gene; cDNA E... >gi 3979816 gnl PID e1358315 EST EMBL:D35780 comes from this gene; cDNA EST yk442c6.3 comes from this gene; cDNA EST yk442c6.5 comes from this gene; cDNA EST yk398f6.3 comes from this gene; cDNA E...	2e-04
726	Z48584	Caenorhabditis elegans cosmid ZK1321, complete sequence [Caenorhabditis elegans]	0.061	3183491	HYPOTHETICAL 83.8 KD PROTEIN C27F2.7 IN CHROMOSOME III >gi 1065510 (U40419) C27F2.7 gene product [Caenorhabditis elegans]	3e-11

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					HYPOTHETICAL 32.0 KD	
727	X61489	Zea mays pep gene for (C3 type) phosphoenolpyruvate carboxylase	0.061	2496887	PROTEIN C09F5.2 IN CHROMOSOME III >gi 732538 (U22832) C09F5.2 gene product [Caenorhabditis elegans]	1e-15
728	AF025408	Drosophila melanogaster Windbeutel (wind) gene, complete cds	0.061	3702295	(AC005783) R33083_1 [Homo sapiens]	2e-60
729	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.060	<NONE>	<NONE>	<NONE>
730	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.060	<NONE>	<NONE>	<NONE>
731	Y08682	H.sapiens mRNA for carnitine palmitoyltransferase I type I	0.060	3319446	(AF077541) contains similarity to class-I aminoacyl-tRNA synthetases [Caenorhabditis elegans]	8.1
732	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.060	1041119	(D78016) TRAE [Enterococcus faecalis]	8.1
733	AF064030	Helianthus tuberosus lectin 2 mRNA, complete cds	0.060	632209	regulatory protein Rex - primate T-lymphotropic virus PTLV-L (fragment)	3.7
734	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.060	3098348	(AF037401) neuropeptide Y/peptide YY receptor Yc [Danio rerio]	2.1
735	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.060	125978	LAR PROTEIN PRECURSOR (LEUKOCYTE ANTIGEN RELATED) >gi 70146 pir TDHULK leukocyte antigen-related protein precursor - human >gi 34267 sapiens]	1.2
736	U76523	Sambucus nigra lectin precursor mRNA, complete cds	0.060	2055394	(U87306) transmembrane receptor UNC5H2 [Rattus norvegicus]	0.32
737	U69668	Human nuclear pore complex-associated protein TPR	0.060	4127854	(Y14063) ChT1 thymocyte antigen [Gallus gallus]	9e-04

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(U58748) similar to potential	
738	AB014553	Homo sapiens mRNA for KIAA0653 protein, partial cds	0.060	1326350	transmembrane domains in S. cerevisiae nuclear division RFT1 protein (SP:P38206)	1e-09
739	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.060	2632098	(Y15513) Prodos protein [Drosophila melanogaster]	5e-10
740	Z96260	H.sapiens telomeric DNA sequence, clone 12QTEL101, read 12QTELOO101.seq	0.059	<NONE>	<NONE>	<NONE>
741	M93128	Mouse homeobox protein (EVX2) mRNA, complete cds.	0.059	<NONE>	<NONE>	<NONE>
742	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.059	1652318	(D90904) lysostaphin [Synechocystis sp.]	4.7
743	AB007920	Homo sapiens mRNA for KIAA0451 protein, complete cds	0.059	479491	transcription factor brn-3b - human	0.71
744	M60445	Human histidine decarboxylase (HDC) mRNA, complete cds	0.058	<NONE>	<NONE>	<NONE>
745	U01836	Ustilago maydis exodeoxyribonuclease (REC1) gene, complete cds.	0.058	1171908	OLIGOPEPTIDE TRANSPORT SYSTEM PERMEASE PROTEIN OPPC >gi 1075086 pir D64184 oligopeptide transport system permease protein (oppC)C homolog - Haemophilus influenzae (strain Rd KW20) permease protein (oppC) [Haemophilus influenzae Rd]	1.5
746	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	0.058	3193265	(AF069131) chitinase [Bacillus subtilis]	0.002
747	AB012105	Brassica rapa mRNA for SLG45, complete cds	0.057	433385	(U03978) dynein heavy chain isotype 7A [Tripneustes gratilla]	3.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Arabidopsis thaliana				
748	AJ005813	mRNA for neoxanthin cleavage enzyme	0.056	<NONE>	<NONE>	<NONE>
749	Y16828	Lagopus lagopus genomic microsatellite sequence, LLST4	0.056	3328678	(AE001299) hypothetical protein [Chlamydia trachomatis]	4.3
750	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.055	<NONE>	<NONE>	<NONE>
751	AF074385	Sambucus nigra hevein-like protein mRNA, complete cds	0.055	137339	69 KD PROTEIN >gi 94375 pir S19150 hypothetical protein, 69K - turnip yellow mosaic virus	0.69
752	U76523	Sambucus nigra lectin precursor mRNA, complete cds	0.035	<NONE>	<NONE>	<NONE>
753	M92069	Human retrovirus-like sequence-isoleucine c	0.034	<NONE>	<NONE>	<NONE>
754	S78516	GIL=ankyrin-like repeat [orf virus OV, NZ2, Genomic, 1608 nt]	0.033	2804465	(AF043700) contains similarity to human RNA-binding protein FUS/TLS (SW:Q28009) [Caenorhabditis elegans]	0.15
755	M15646	Chicken myosin alkali light chain mRNA, complete cds, clone pF1.	0.027	3334221	4-HYDROXYPHENYLPYRUVATE DIOXYGENASE 4-hydroxyphenylpyruvate dioxygenase [Mycosphaerella graminicola]	6e-17
756	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.025	3877815	(Z96048) predicted using Genefinder	5.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
757	AJ002291	Streptococcus pneumoniae pbp1b gene, complete	0.025	3880487	(Z68014) similar to ribose-phosphate pyrophosphokinase; cDNA EST EMBL:D73173 comes from this gene; cDNA EST EMBL:D70909 comes from this gene; cDNA EST EMBL:D73449 comes from this gene; cDNA EST EMBL:D76167 comes from this ge...	1.7
758	X79104	C.botulinum (NCTC 7272 type A) HA-33 and P-21 genes.	0.024	2648615	(AE000970) tungsten formylmethanofuran dehydrogenase, subunit B (fwdB 2) [Archaeoglobus fulgidus]	6.1
759	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.024	1663698	(D83785) expressed ubiquitously; product similar to D.melanogaster mam protein. [Homo sapiens]	4.7
760	U36197	Chlamydomonas reinhardtii cobalamin-independent methionine synthase mRNA, complete cds	0.024	585723	PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR GAMMA (PPAR-GAMMA) >gi 283818 pir C42214 peroxisome proliferator-activated receptor gamma chain - African clawed frog >gi 214668 (M84163) peroxisome proliferator activated receptor gamma [Xenopus laevis]	0.42
761	L38865	Macaca mulatta (clone MMVA63) T-cell receptor alpha (TCR A) mRNA, partial cds.	0.023	<NONE>	<NONE>	<NONE>
762	AF035948	Mus musculus insulin receptor substrate-3	0.023	2500587	SPLICEOSOME ASSOCIATED PROTEIN 49 spliceosome-associated protein SAP-49 - human >gi 556217	0.40
763	X98890	S.tuberosum mRNA for inorganic phosphate transporter, StPT1	0.023	110072	proline-rich protein MP4 - mouse >gi 53182	0.18

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
764	X91212	L.esculentum mRNA for HD-ZIP protein	0.022	<NONE>	<NONE>	<NONE>
765	AC004498	Homo sapiens chromosome 5, P1 clone 1209C1 (LBNL H104), complete sequence [Homo sapiens]	0.022	<NONE>	<NONE>	<NONE>
766	U07083	Human prostatic acid phosphatase (ACPP) gene, exon 1	0.022	<NONE>	<NONE>	<NONE>
767	X98890	S.tuberosum mRNA for inorganic phosphate transporter, StPT1	0.022	<NONE>	<NONE>	<NONE>
768	X56488	L.esculentum LAT59 gene 5'flanking region, expressed during pollen maturation	0.022	<NONE>	<NONE>	<NONE>
769	M34651	Pseudorabies virus with upstream and downstream sequences.	0.022	<NONE>	<NONE>	<NONE>
770	X66727	P.taeda gene for protochlorophyllide reductase	0.022	3878517	(Z92806) K10G4.4 [Caenorhabditis elegans]	4.3
771	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.022	1854452	(D89501) similar to salivary proline-rich protein P-B [Homo sapiens]	4.3
772	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.022	3021699	(AB005298) BAI 2 [Homo sapiens]	0.64
773	X71932	H.sapiens XB gene for tenascin-X, intron 14	0.022	627059	liver stage antigen LSA-1 - Plasmodium falciparum >gi 9916 (X56203) liver stage antigen	0.058
774	X87369	C.perfringens nanH gene & ORF1,2,3 & 4	0.022	2062407	(U78975) poly(ADP-ribose) glycohydrolase [Bos taurus]	0.056

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					U1 SMALL NUCLEAR	
775	Y14971	Gallus gallus mRNA for K60 protein	0.022	134091	RIBONUCLEOPROTEIN 70 KD (U1 SNRNP 70 KD) >gi 85864 pir S02016 U1 snRNP 70K protein - African clawed frog >gi 65179 (X12430) U1 70K [Xenopus laevis]	0.032
776	AF003133	Caenorhabditis elegans cosmid T21E3	0.022	1709997	DNA REPAIR PROTEIN RAD18 >gi 1150622 protein rad18 [Schizosaccharomyces pombe]	2e-08
777	AF003133	Caenorhabditis elegans cosmid T21E3	0.022	1709997	DNA REPAIR PROTEIN RAD18 >gi 1150622 protein rad18 [Schizosaccharomyces pombe]	2e-08
778	U57645	Human helix-loop-helix proteins Id-1 (ID-1) and Id-1' (ID-1) genes, complete cds	0.021	<NONE>	<NONE>	<NONE>
779	U67570	Methanococcus jannaschii section 112 of 150 of the complete genome	0.021	<NONE>	<NONE>	<NONE>
780	L01584	Trypanosoma cruzi calcium-binding protein (CUB2.8) gene, complete cds.	0.021	<NONE>	<NONE>	<NONE>
781	L04787	Borrelia hermsii outer membrane lipoprotein	0.021	<NONE>	<NONE>	<NONE>
782	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.021	<NONE>	<NONE>	<NONE>
783	L36890	Saccharomyces cerevisiae mitochondrion transfer RNA-Thr1 (tRNA-Thr) gene; transfer RNA-Val (tRNA-Val) gene; oxi2 gene, complete cds; ORF2 and origin of replication (ori5).	0.021	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
784	M76741	Homo sapiens biliary glycoprotein (BGP) gene, partial cds.	0.021	<NONE>	<NONE>	<NONE>
785	M87504	Tetrahymena thermophila histone H3 (HHT2) gene, complete cds	0.021	<NONE>	<NONE>	<NONE>
786	U94346	Human calpain-like protease (htra-3) mRNA, complete cds	0.021	<NONE>	<NONE>	<NONE>
787	L01584	Trypanosoma cruzi calcium-binding protein (CUB2.8) gene, complete cds.	0.021	<NONE>	<NONE>	<NONE>
788	U36530	Pongo pygmaeus CT microsatellite, clone #1, from the tandemly repeated genes encoding U2 small nuclear RNA (RNU2 locus)	0.021	<NONE>	<NONE>	<NONE>
789	X03833	Human gene for interleukin 1 alpha (IL-1 alpha)	0.021	416974	EARLY TRANSCRIPTION FACTOR 70 KD SUBUNIT	8.9
790	U20806	Dictyostelium discoideum guanine nucleotide-binding protein alpha subunit 5 (G alpha 5) gene, complete cds.	0.021	1401211	(U58510) RNA helicase homolog [Chlorarachnion CCMP621]	8.8
791	Z59258	H.sapiens CpG DNA, clone 13d2, reverse read cpg13d2.rtlc .	0.021	3121732	ACONITATE HYDRATASE (CITRATE HYDRO-LYASE) (ACONITASE) >gi 2183256 (AF002133) aconitase [Mycobacterium avium]	7.0
792	AF030692	Plasmodium falciparum strain 7G8 chloroquine resistance candidate protein (cg2) gene, complete cds	0.021	3024190	NINE PROTEIN >gi 2120251 pir S66581 hypothetical protein 56 - phage 82 >gi 1051114 (X92588) orf56; related to nin60 (ninE) of bacteriophage lambda	5.8
793	U67570	Methanococcus jannaschii section 112 of 150 of the complete genome	0.021	2341037	(AC000104) F19P19.17 [Arabidopsis thaliana]	4.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					NUCLEAR FACTOR NF-	
794	D86566	Human DNA for NOTCH4, partial cds	0.021	1708619	KAPPA-B P100 SUBUNIT (H2TF1) (ONCOGENE LYT-10) (LYT10) [CONTAINS: NUCLEAR FACTOR NF-KAPPA-B P52 SUBUNIT]	3.1
795	L11648	Streptomyces coelicolor sigma factor (rpoX) gene, complete cds.	0.021	79833	hypothetical 119.5K protein (uvrA region) - Micrococcus luteus	1.8
796	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.021	128000	NEUROENDOCRINE CONVERTASE 1 PRECURSOR (NEC 1) (PC1) (PROHORMONE CONVERTASE 1) propeptide processing protease [Mus cookii]	1.0
797	U30938	Rattus norvegicus microtubule-associated protein 2	0.021	468600	(X74416) beta-3 integrin [Takifugu rubripes]	1.0
798	D82364	Chicken mRNA for TSC-22 variant, complete cds, clone SLFEST52	0.021	693723	27 kda amelogenin {alternatively spliced}	0.61
799	U40041	Gallus gallus eHAND mRNA, complete cds	0.021	3449308	(AB011541) MEGF8 [Homo sapiens]	0.21
800	X71932	H.sapiens XB gene for tenascin-X, intron 14	0.021	627059	liver stage antigen LSA-1 - Plasmodium falciparum >gi 9916 (X56203) liver stage antigen	0.054
801	AF042333	Oryza sativa 24-methylene lophenol C24(1)methyltransferase mRNA, complete cds	0.021	854065	(X83413) U88 [Human herpesvirus 6]	0.014
802	L37380	Rat apical endosomal glycoprotein mRNA, complete cds.	0.021	3334377	TRANSMEMBRANE PROTEASE, SERINE 2	1e-05
803	AF003133	Caenorhabditis elegans cosmid T21E3	0.021	1709997	DNA REPAIR PROTEIN RAD18 >gi 1150622 protein rad18 [Schizosaccharomyces pombe]	3e-08

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Rabbit mRNA for				
804	X57689	calcium channel BI-2 (lambda CBP109 and CB101)	0.021	2959370	(AL022117) hypothetical protein	1e-10
805	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.021	1109830	(U41534) coded for by C. elegans cDNA CEESI42F; Similar to helicases of SNF2/RAD54 family. [Caenorhabditis elegans]	5e-11
806	X77753	H.sapiens TROP-2 gene	0.021	1723657	HYPOTHETICAL 38.5 KD PROTEIN IN ERV1-GLS2 INTERGENIC REGION >gi 2132587 pir S64322 probable membrane protein YGR031w - yeast (Saccharomyces cerevisiae) >gi 1323010 gnl PID e243277 (Z72816) ORF YGR031w [Saccharomyces cerevisiae]	5e-11
807	X98890	S.tuberosum mRNA for inorganic phosphate transporter, StPT1	0.021	2137872	zinc finger protein PZF - mouse >gi 453376	2e-19
808	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.020	<NONE>	<NONE>	<NONE>
809	AJ224935	Homo sapiens Promotor Region and PCK2 gene	0.020	<NONE>	<NONE>	<NONE>
810	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.020	<NONE>	<NONE>	<NONE>
811	X99941	A.thaliana GBF1 gene	0.020	<NONE>	<NONE>	<NONE>
812	X65138	M.musculus mRNA for tyrosine kinase > :: gb S57168 S57168 Sek=Eph-related receptor protein tyrosine kinase [mice, mRNA, 4242 nt]	0.020	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
813	L04787	Borrelia hermsii outer membrane lipoprotein	0.020	<NONE>	<NONE>	<NONE>
814	AJ223633	Enterococcus faecium genes encoding enterocin L50A and enterocin L50B plus 5' and 3' flanking regions	0.020	<NONE>	<NONE>	<NONE>
815	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.020	<NONE>	<NONE>	<NONE>
816	AE001539	Helicobacter pylori, strain J99 section 100 of 132 of the complete genome	0.020	172292	(L11895) transmembrane protein [Saccharomyces cerevisiae]	8.4
817	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	0.020	94173	pol polyprotein - Chinese hamster intracisternal A-particle CHIAP34	8.0
818	M55264	Herpesvirus saimiri dihydrofolate reductase (DHFR) and snRNA (HSUR) genes, complete cds.	0.020	2924250	(Z98745) dJ29K1.2 [Homo sapiens]	6.5
819	AF052163	Homo sapiens clone 24456 mRNA sequence	0.020	1706288	D(4) DOPAMINE RECEPTOR (D(2C) DOPAMINE RECEPTOR) >gi 2119482 pir I49246 D4 dopamine receptor - mouse >gi 758427 (U19880) D4 dopamine receptor [Mus musculus] >gi 1095539 prf 2109259A dopamine D4 receptor [Mus musculus]	4.9
820	AF074387	Sambucus nigra hevein-like protein mRNA, complete cds	0.020	2113798	(Z83259) AmphiBrf38 [Branchiostoma floridae]	4.7
821	AF052163	Homo sapiens clone 24456 mRNA sequence	0.020	3874733	(Z67734) cDNA EST EMBL:T02354 comes from this gene; cDNA EST EMBL:D32698 comes from this gene; cDNA EST EMBL:D35411 comes from this gene	4.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
822	L11002	Rat ankyrin binding glycoprotein-1 related mRNA sequence.	0.020	552132	(K01664) Bkm-like protein [Drosophila melanogaster]	3.8
823	AE001539	Helicobacter pylori, strain J99 section 100 of 132 of the complete genome	0.020	172292	(L11895) transmembrane protein [Saccharomyces cerevisiae]	3.8
824	X98890	S.tuberosum mRNA for inorganic phosphate transporter, StPT1	0.020	3879798	(Z01120) similar to PPK Domain (2 domains); cDNA EST yk390b10.3 comes from this gene; cDNA EST EMBL:D71652 comes from this gene; cDNA EST yk275f8.3 comes from this gene; cDNA EST yk393b9.3 comes from this gene; cDNA EST yk37... >gi 3880220 gnl PID e1349842 yk390b10.3 comes from this gene; cDNA EST EMBL:D71652 comes from this gene; cDNA EST yk275f8.3 comes from this gene; cDNA EST yk393b9.3 comes from this gene; cDNA EST yk37...	1.3
825	U97519	Homo sapiens podocalyxin-like protein mRNA, complete cds	0.020	1345633	C-1-TETRAHYDROFOLATE SYNTHASE, CYTOPLASMIC (C1-THF SYNTHASE) (METHYLENETETRAHYDROFOLATE DEHYDROGENASE / METHENYL TETRAHYDROFOLATE CYCLOHYDROLASE C1-tetrahydrofolate synthase [Rattus norvegicus]	0.066
826	AF003133	Caenorhabditis elegans cosmid T21E3	0.020	1709997	DNA REPAIR PROTEIN RAD18 >gi 1150622 protein rad18 [Schizosaccharomyces pombe]	2e-07
827	U32857	Saccharomyces cerevisiae VAR1 gene, mitochondrial gene encoding mitochondrial protein, 3' processing site, partial sequence	0.019	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					NEUROGENIC LOCUS	
828	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.019	2506381	NOTCH HOMOLOG PROTEIN 4 PRECURSOR (TRANSFORMING PROTEIN INT-3) mammary gene mRNA, complete cds.], gene product [Mus musculus]	3.3
829	AF034099	Laccaria bicolor glyoxal malate synthase protein mRNA, complete cds	0.019	3880930	(AL021481) similar to Phosphoglucomutase and phosphomannomutase phosphoserine; cDNA EST EMBL:D36168 comes from this gene; cDNA EST EMBL:D70697 comes from this gene; cDNA EST yk373h9.5 comes from this gene; cDNA EST EMBL:T008...	6e-15
830	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.018	<NONE>	<NONE>	<NONE>
831	U24578	Human RPI and complement C4B precursor (C4B) genes, partial cds.	0.013	478673	proline-rich protein precursor - kidney bean vulgaris]	3.1
832	U76523	Sambucus nigra lectin precursor mRNA, complete cds	0.011	<NONE>	<NONE>	<NONE>
833	U57649	Dibenzofuran-degrading bacterium DPO360 2,3-dihydroxybiphenyl 1,2-dioxygenase (bphC) gene, complete cds and 2-hydroxy-6-oxo-6-phenylhexa-2,4-dienoic acid hydrolase	0.011	<NONE>	<NONE>	<NONE>
834	X15642	Z.mays gene for phosphoenolpyruvate carboxylase	0.011	<NONE>	<NONE>	<NONE>
835	X51623	C.elegans collagen gene col-13	0.010	1695686	(D83706) pyruvate carboxylase [Bacillus stearothermophilus]	3.1
836	U83656	Rattus norvegicus NF-KB gene, promotor region	0.008	4240195	(AB020660) KIAA0853 protein [Homo sapiens]	10.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					POL POLYPROTEIN	
837	AJ222657	Homo sapiens gene encoding retina-specific guanylyl cyclase	0.008	417704	(ORF1A/1B) [CONTAINS: RNA-DIRECTED RNA POLYMERASE ; HELICASE; PROTEASE]	7.4
838	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.008	544024	CHLORIDE CHANNEL PROTEIN, SKELETAL MUSCLE (CHLORIDE CHANNEL PROTEIN 1) (CLC-1) human >gi 397143 (Z25587) human CLC-1 muscle chloride channel [Homo sapiens] >gi 398161 (Z25884) human CLC-1 muscle chloride channel [Homo sapiens]	4.6
839	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.008	532468	(U13643) similar to reverse transcriptase; possible pseudogene [Caenorhabditis elegans]	3.8
840	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.008	4101160	(AF002589) cytochrome oxidase I [Austrofundulus limnaeus]	2.7
841	AF074385	Sambucus nigra hevein-like protein mRNA, complete cds	0.008	1711520	SRB-8/9 PROTEIN >gi 1334996	1.6
842	U48734	Human non-muscle alpha-actinin mRNA, complete cds	0.008	2829922	(AC002291) extensin [Arabidopsis thaliana]	0.11
843	U66669	Homo sapiens 3-hydroxyisobutyryl-coenzyme A hydrolase mRNA, complete cds	0.007	<NONE>	<NONE>	<NONE>
844	D16492	Mouse mRNA for P100 serine protease of Ra-reactive factor (RaRF), complete cds	0.007	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human				
845	D90923	immunodeficiency virus type 1 proviral DNA for envelope glycoprotein, partial cds, isolate 03S	0.007	<NONE>	<NONE>	<NONE>
846	AB011087	Homo sapiens mRNA for KIAA0515 protein, partial cds	0.007	<NONE>	<NONE>	<NONE>
847	AE000688	Aquifex aeolicus section 20 of 109 of the complete genome	0.007	<NONE>	<NONE>	<NONE>
848	X63723	B.bovis WC1.1 mRNA	0.007	<NONE>	<NONE>	<NONE>
849	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	0.007	<NONE>	<NONE>	<NONE>
850	J00097	Human beta globin region Alu repetitive sequence type T.	0.007	<NONE>	<NONE>	<NONE>
851	D90923	Human immunodeficiency virus type 1 proviral DNA for envelope glycoprotein, partial cds, isolate 03S	0.007	<NONE>	<NONE>	<NONE>
852	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.007	<NONE>	<NONE>	<NONE>
853	X91618	T.castaneum hunchback gene	0.007	<NONE>	<NONE>	<NONE>
854	X03838	Rat nontranscribed spacer (NTS) downstream of 28S rRNA gene	0.007	<NONE>	<NONE>	<NONE>
855	M55049	Rattus norvegicus interleukin-2 receptor alpha chain (CD25) mRNA, complete cds.	0.007	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
856	Z64318	H.sapiens CpG DNA, clone 9e2, reverse read cpg9e2.rtl.a .	0.007	<NONE>	<NONE>	<NONE>
857	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.007	<NONE>	<NONE>	<NONE>
858	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.007	<NONE>	<NONE>	<NONE>
859	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.007	<NONE>	<NONE>	<NONE>
860	X95276	P.falciparum complete gene map of plastid-like DNA	0.007	<NONE>	<NONE>	<NONE>
861	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	0.007	<NONE>	<NONE>	<NONE>
862	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.007	<NONE>	<NONE>	<NONE>
863	AB000383	Leucania seperata nuclear polyhedrosis virus DNA for p13, xe, envelope protein, complete cds	0.007	<NONE>	<NONE>	<NONE>
864	D86566	Human DNA for NOTCH4, partial cds	0.007	<NONE>	<NONE>	<NONE>
865	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.007	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
866	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.007	3047072	(AF058825) No definition line found [Arabidopsis thaliana]	8.9
867	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.007	975754	(U29359) SpaO [Salmonella enterica]	8.6
868	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.007	1213557	(U50199) coded for by C. elegans cDNA yk89e9.5; coded for by C. elegans cDNA cm7g5; coded for by C. elegans cDNA cm14b9; coded for by C. elegans cDNA yk52g5.5; coded for by C. elegans cDNA yk76e5.5; coded for by C. elegans cDNA yk131f11.5; c...	8.4
869	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.007	2499568	PROTEIN-L-ISOASPARTATE(D-ASPARTATE) O-METHYLTRANSFERASE (PROTEIN-BETA-ASPARTATE METHYLTRANSFERASE) (PIMT) (PROTEIN L-ISOASPARTYL/D-ASPARTYL METHYLTRANSFERASE) methyltransferase [Drosophila melanogaster] >gi 1171337 melanogaster]	8.3
870	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.007	4092077	(AF095353) toll-like receptor 4 mutant [Mus musculus]	6.2
871	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	0.007	151377	(M80653) tetraheme [Pseudomonas stutzeri]	6.2
872	L42319	Bos taurus (clone Sal3.8) tristetraprolin	0.007	2507337	TRANSCRIPTION TERMINATION FACTOR RHO	5.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
873	M59815	Human complement component C4A gene, exons 10 through 41.	0.007	3876769	(Z69637) Similarity to Human Prolyl 4-hydroxylase alpha subunit (SW:P4HA_HUMAN); cDNA EST yk219g12.5 comes from this gene; cDNA EST yk319d8.5 comes from this gene; cDNA EST yk339d11.5 comes from this gene; cDNA EST yk371c9.3...	5.3
874	X63723	B.bovis WC1.1 mRNA	0.007	2969893	(AJ001858) human SIM2 [Homo sapiens]	5.3
875	AB009864	Expression vector pME18S-FL3, complete sequence	0.007	2137618	p45 NF-E2 related factor 2 - mouse musculus]	5.1
876	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.007	2804497	(AF043705) contains similarity to C2H2-type zinc fingers	5.0
877	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.007	440298	(L27469) product of alternative splicing [Drosophila melanogaster]	4.7
878	X58869	Chicken mRNA for aldehyde dehydrogenase	0.007	1185062	(L75945) flagellar export protein [Borrelia burgdorferi]	4.1
879	AF027735	Nephila clavipes minor ampullate silk protein MiSp1 mRNA, partial cds	0.007	2394390	(AF017434) pmi-like gene product [Methylobacterium extorquens]	4.0
880	AF105228	Bos taurus tuftelin mRNA, complete cds	0.007	3036802	(AL022373) putative protein HYPOTHETICAL 60.2 KD	3.9
881	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.007	2500814	PROTEIN T27F2.1 IN CHROMOSOME V >gi 3880311 gnl PID e1349855 BX42 (SW:BX42_DROME); cDNA EST EMBL:C07233 comes from this gene; cDNA EST EMBL:C08532 comes from this gene; cDNA EST yk501h10.3 comes from this gene; cDNA EST yk501f1.3...	3.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(U78289) tylactone synthase modules 4 & 5 [Streptomyces fradiae]	
882	X93567	L.major mRNA for beta-tubulin (1404bp)	0.007	2317862		3.0
883	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.007	3881103	(AL032646) predicted using Genefinder; cDNA EST EMBL:D76407 comes from this gene; cDNA EST EMBL:C08999 comes from this gene; cDNA EST yk199b12.5 comes from this gene; cDNA EST yk282a4.5 comes from this gene; cDNA EST EMBL:C0...	2.7
884	AF041056	Homo sapiens WSCR4 gene, exons 3 and 4	0.007	135817	THROMBIN RECEPTOR PRECURSOR human >gi 339677 (M62424) thrombin receptor [Homo sapiens]	2.2
885	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.007	1723518	HYPOTHETICAL 32.2 KD PROTEIN C22E12.04 IN CHROMOSOME I >gi 1220279 (Z70043) unknown	2.1
886	M74798	Hevea brasiliensis 3-hydroxy-3-methylglutaryl-coenzyme A reductase gene, 3' end.	0.007	1001282	(D64003) polyA polymerase	1.9
887	Z62997	H.sapiens CpG DNA, clone 76g11, reverse read cpg76g11.rt1a .	0.007	1176532	HYPOTHETICAL 111.9 KD PROTEIN C34E10.8 IN CHROMOSOME III >gi 500731 (U10402) weakly similar to protein C kinase substrate [Caenorhabditis	1.8
888	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	0.007	2498317	DVA-I POLYPROTEIN PRECURSOR nematode polyprotein antigen precursor [Dictyocaulus viviparus] >gi 1585421 prf 2124414A polyprotein antigen/allergen [Dictyocaulus viviparus]	1.2
889	L29426	Synechocystis species (strain PCC 6803) drgA gene, complete cds.	0.007	3882275	(AB018320) KIAA0777 protein [Homo sapiens]	1.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
890	D83329	Mus musculus DNA for prostaglandin D2 synthase, complete cds	0.007	1001741	(D64004) hypothetical protein	0.97
891	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.007	1723928	HYPOTHETICAL 11.6 KD PROTEIN IN NUT1-ARO2 INTERGENIC REGION PRECURSOR YGL149w - yeast (Saccharomyces	0.94
892	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.007	121452	GLUTENIN, HIGH MOLECULAR WEIGHT SUBUNIT 12 PRECURSOR >gi 82606 pir A24266 glutenin high molecular weight chain 12 precursor - wheat >gi 21779	0.79
893	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.007	927287	(U30294) ORF2 [Prevotella ruminicola]	0.35
894	Y11918	H.sapiens IMAGE cDNA clone 26881	0.007	1055188	(U40061) contains similarity to transmembrane domains like those found in sugar transporter proteins	0.26
895	L36827	Mus Musculus alphaA-crystallin-binding protein I	0.007	4063019	(AF083061) ABC transporter TtiF [Pseudomonas fluorescens]	0.21
896	L36827	Mus Musculus alphaA-crystallin-binding protein I	0.007	4063019	(AF083061) ABC transporter TtiF [Pseudomonas fluorescens]	0.20
897	Z65719	H.sapiens CpG DNA, clone 54c10, reverse read cpg54c10.rt1a .	0.007	1097307	HIC-1 gene [Homo sapiens]	0.20
898	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	0.007	1174915	UTROPHIN (DYSTROPHIN-RELATED PROTEIN 1) (DRP1) (DRP) >gi 284488 pir S28381 utrophin protein) [Homo sapiens]	0.002
899	AF051730	Mus musculus cathepsin S (CatS) gene, exon 6	0.007	1707017	(U78721) RNA helicase isolog [Arabidopsis thaliana]	0.001

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Oryctolagus				
900	U62398	cuniculus gp42/basigin/OX-47/HT7 mRNA, complete cds.	0.007	2370494	(Z98944) hypothetical protein	2e-04
901	X76341	M.musculus glutathione reductase mRNA.	0.007	3513303	(AC005594) R26984_1 [Homo sapiens]	8e-07
902	M26215	Rat (lambda 20B0.5) M-type 6-phosphofructo-2-kinase/fructose-2, 6-bisphosphatase	0.007	3036809	(AL022373) putative protein	6e-15
903	AB007902	Homo sapiens KIAA0442 mRNA, partial cds	0.007	2662165	(AB007902) HH0712 cDNA clone for KIAA0442 has a 574-bp insertion at position 1474 of the sequence of KIAA0442. [Homo sapiens]	2e-17
904	U93364	Lactococcus lactis cremoris plasmid pNZ4000 insertion sequence IS982 putative transposase gene and eps gene cluster (epsRXABCDEFHGHIJKL), complete cds	0.007	2731377	(U28739) similar to alcohol dehydrogenase/ribitol dehydrogenase [Caenorhabditis elegans]	1e-31
905	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>
906	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>
907	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>
908	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>
909	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	0.006	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
910	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>
911	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>
912	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>
913	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.006	<NONE>	<NONE>	<NONE>
914	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>
915	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>
916	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.006	4049856	(AF063866) ORF MSV064 hypothetical protein [Melanoplus sanguinipes entomopoxvirus]	9.6
917	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.006	3880536	(Z82070) predicted using Genefinder; similar to Lectin C-type domain short and long forms (2 domains); cDNA EST EMBL:C10633 comes from this gene; cDNA EST EMBL:C12424 comes from this gene; cDNA EST yk191e7.3 comes from this ...	7.9
918	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.006	3877761	(Z81552) F56G4.1 [Caenorhabditis elegans] >gi 3878615 gnl PID e1348240 (Z83118) F56G4.1	7.5
919	X80289	H.sapiens PTPL1 mRNA for protein tyrosine phosphatase	0.006	1168791	CATHEPSIN E PRECURSOR precursor - rabbit >gi 402729 (L08418) procathepsin E	7.4

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					DIACYLGLYCEROL	
920	AF074386	<i>Sambucus nigra</i> hevein-like protein mRNA, complete cds	0.006	1346371	KINASE, BETA DIACYLGLYCEROL KINASE) >gi 477059 pir A47744 diacylglycerol kinase (EC 2.7.1.107) beta - rat 90kDa-diacylglycerol kinase [Rattus	5.5
921	U72396	<i>Lycopersicon esculentum</i> class II small heat shock protein Le-HSP17.6 mRNA, complete cds	0.006	2196567	(D88588) lipoprotein [Escherichia coli]	4.3
922	AF074387	<i>Sambucus nigra</i> hevein-like protein mRNA, complete cds	0.006	2113798	(Z83259) AmphiBrf38 [Branchiostoma floridae]	4.3
923	AB012106	<i>Brassica rapa</i> mRNA for SRK45, complete cds	0.006	1388166	(U58282) Bowel [Drosophila melanogaster]	4.3
924	AF074386	<i>Sambucus nigra</i> hevein-like protein mRNA, complete cds	0.006	2496785	HYPOTHETICAL 20.1 KD PROTEIN Y4YS	4.2
925	AF012899	<i>Sambucus nigra</i> ribosome inactivating protein precursor mRNA, complete cds	0.006	416592	A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR >gi 101170 pir A41258 a-agglutinin core protein AGA1 - yeast (Saccharomyces cerevisiae)	2.7
926	AF064029	<i>Helianthus tuberosus</i> lectin I mRNA, complete cds	0.006	416592	A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR >gi 101170 pir A41258 a-agglutinin core protein AGA1 - yeast (Saccharomyces cerevisiae)	2.5
927	AJ005813	<i>Arabidopsis thaliana</i> mRNA for neoxanthin cleavage enzyme	0.006	3258584	(U41263) The 3' UTR of this gene overlaps the 3' UTR of T19D12.6(confirmed by EST hits) [Caenorhabditis elegans]	2.0
928	U33949	Human Down Syndrome region of chromosome 21, genomic sequence. clone A12H1-1A6.	0.006	3850997	(AF067150) beta-hydroxyacyl-ACP dehydratase precursor	1.9

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
929	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.006	3881220	(AL032630) predicted using Genefinder	1.2
930	AF074385	Sambucus nigra hevein-like protein mRNA, complete cds	0.006	1346439	P-SELECTIN PRECURSOR (GRANULE MEMBRANE PROTEIN 140) (GMP-140) (PADGEM) (CD62P)	0.90
931	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.006	2736338	(AF038623) contains similarity to RNA recognition motifs	0.84
932	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.006	121452	GLUTENIN, HIGH MOLECULAR WEIGHT SUBUNIT 12 PRECURSOR >gi 82606 pir A24266 glutenin high molecular weight chain 12 precursor - wheat >gi 21779	0.51
933	M25140	Human cardiac alpha-myosin heavy chain (MYH6) gene, exons 2, 3 and 4.	0.006	3257709	(AP000005) 115aa long hypothetical protein [Pyrococcus horikoshii]	0.49
934	Z46906	Sus scrofa.	0.006	1144571	(U35363) latent TGF-beta binding protein-2 [Bos taurus]	0.076
935	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.006	1515302	(X97720) retrovirus restriction polypeptide [Mus musculus]	4e-05
936	M23236	Mouse proline-rich protein (M14) gene, complete cds, clones MC(14, 16,22).	0.006	3372354	(AF041104) atrophin-1 like protein [Homo sapiens]	3e-05
937	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	0.004	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
938	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.004	<NONE>	<NONE>	<NONE>
939	M30447	Human lymphocyte receptor (Fc-epsilon-RII-alpha) gene, promoter and 5' flank	0.004	2832355	(Y14074) HMG protein [Arabidopsis thaliana]	7.8
940	M33940	Human Val-tRNA and Lys-tRNA genes.	0.004	122917	HEMAGGLUTININ PRECURSOR	7.7
941	D90809	E.coli genomic DNA. Kohara clone #318(37.2-37.6 min.	0.004	3880435	(Z66521) similar to n-acetyllactosamine synthase; cDNA EST yk258c9.5 comes from this gene	1.7
942	X54500	H.sapiens gene for factor IX (F9IN1A4)	0.003	1492074	(U60315) MC131L [Mollusum contagiosum virus subtype 1]	2.9
943	M17196	A.californica (marine gastropod mollusc) neuropeptide gene (ganglion R14), exon 1, 5' end.	0.003	91868	U1 snRNP 70K protein (long form) - mouse protein [Mus musculus]	2.0
944	M13498	Mouse renal kallikrein gene mGK-6, exon 1.	0.003	3979818	(Z49967) cDNA EST EMBL:T00743 comes from this gene; cDNA EST EMBL:D69356 comes from this gene; cDNA EST EMBL:D65790 comes from this gene; cDNA EST EMBL:D70463 comes from this gene; cDNA EST EMBL:D66620 comes from this gene; ...	4e-14
945	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
946	M66390	Human GP91-PHOX gene promoter region	0.002	<NONE>	<NONE>	<NONE>
947	AF034099	Laccaria bicolor glyoxal malate synthase protein mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
948	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
949	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
950	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath- B) mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
951	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
952	AF003512	Chelonius sp. 16S ribosomal RNA gene, partial sequence > :: gb AF029115 AF029 115 Chelonius sp. 16S ribosomal RNA gene, mitochondrial gene for mitochondrial RNA, partial sequence	0.002	<NONE>	<NONE>	<NONE>
953	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
954	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath- B) mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
955	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Cenbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
956	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
957	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
958	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath- A) mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
959	AB014560	Homo sapiens mRNA for KIAA0660 protein, complete cds	0.002	<NONE>	<NONE>	<NONE>
960	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath- A) mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
961	U72790	Homo sapiens cosmid clone U90A4 from Xp22.1-22.2, complete sequence [Homo sapiens]	0.002	<NONE>	<NONE>	<NONE>
962	AF064030	Helianthus tuberosus lectin 2 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
963	Z79119	H.sapiens flow-sorted chromosome 6 HindIII fragment, SC6pA22H6	0.002	<NONE>	<NONE>	<NONE>
964	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
965	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
966	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
967	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA. complete cds	0.002	<NONE>	<NONE>	<NONE>
968	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
969	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
970	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
971	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
972	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
973	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
974	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
975	U29874	Human Flt3 ligand gene and Flt3 ligand alternatively spliced isoform gene. complete cds.	0.002	<NONE>	<NONE>	<NONE>
976	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
977	AF104631	Chlamydomonas reinhardtii light harvesting complex II protein precursor (Lhcb3) mRNA. complete cds	0.002	<NONE>	<NONE>	<NONE>
978	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.002	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		S.tuberosum mRNA				
979	X98890	for inorganic phosphate transporter, StPT1	0.002	<NONE>	<NONE>	<NONE>
980	Y13298	Homo sapiens GDP dissociation inhibitor beta pseudogene	0.002	<NONE>	<NONE>	<NONE>
981	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
982	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
983	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	0.002	3873694	(Z67734) cDNA EST EMBL:T01290 comes from this gene; cDNA EST EMBL:T01291 comes from this gene [Caenorhabditis elegans]	9.6
984	X53419	M.mulatta gamma-globin-1(G), gamma-globin-2(A) genes and L1 LINE element	0.002	576741	(U15669) cytochrome b [Myrmecia banksi]	8.1
985	AB012043	Homo sapiens mRNA for NBR13, complete cds	0.002	2828297	(AL021687) putative protein	8.1
986	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	0.002	3873694	(Z67734) cDNA EST EMBL:T01290 comes from this gene; cDNA EST EMBL:T01291 comes from this gene [Caenorhabditis elegans]	8.1
987	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	3152567	(AC002986) Contains similarity to membrane associated salt-inducible protein gb AF007269 from A. thaliana.	7.6
988	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.002	2244848	(Z97337) imidazoleglycerol-phosphate dehydratase [Arabidopsis thaliana]	6.6
989	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	251893	(S40543) low density lipoprotein receptor, LDL receptor [human, Peptide Partial Mutant, 59 aa] [Homo sapiens]	6.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
990	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.002	3599339	(AF081111) ORF2 [Mus musculus domesticus]	5.8
991	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	0.002	2920539	(AF016408) integral outer membrane protein P66 [Borrelia hermsii]	5.7
992	X97009	M.domestica mRNA for yolk protein-2	0.002	3641302	(AF087454) potassium channel [Rattus norvegicus]	5.3
993	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	133100	60S RIBOSOMAL PROTEIN L40 (CEP52)	5.2
994	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.002	3218463	(AJ006350) surface [Duck hepatitis B virus]	5.2
995	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	540270	(U14635) weak similarity to NADH dehydrogenase	5.1
996	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.002	2133677	I71-7 protein - fruit fly (Drosophila melanogaster) >gi 775239 (U24246) I71-7 [Drosophila melanogaster] >gi 940000 (U23836) I71-7 gene product L71-7 gene [Drosophila melanogaster]	4.9
997	AB014560	Homo sapiens mRNA for KIAA0660 protein, complete cds	0.002	2414291	(Z99265) T05F1B.3 [Caenorhabditis elegans]	4.9
998	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	0.002	1723093	HYPOTHETICAL 43.3 KD PROTEIN CY50.24 >gi 1480328 gnl PID e254886 (Z77137) hypothetical protein Rv1258c [Mycobacterium tuberculosis]	4.6
999	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.002	3024136	PUTATIVE CELL DIVISION TOPOLOGICAL SPECIFICITY FACTOR >gi 2224465 gnl PID d1021527	4.4
1000	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	0.002	1360834	transcriptional control protein 50 - equine herpesvirus 2 >gi 695223 (U20824) ORF 50 [Equine herpesvirus 2]	3.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Brassica rapa mRNA				
1001	AB012106	for SRK45. complete cds	0.002	2290408	(U92042) mating type 1 pheromone precursor	3.7
1002	AF100694	Mus musculus Pontin52 mRNA. complete cds	0.002	1362802	gastric mucin - human (fragment) >gi 547517	2.9
1003	U88583	Plasmodium falciparum acyl-CoA ligase antigen gene, complete cds	0.002	3766236	(AF095287) pituitary tumor transforming gene protein 1 hPTTG [Homo sapiens]	2.9
1004	Z54983	H.sapiens CpG DNA, clone 181g2, forward read cpg181g2.ft1a.	0.002	139633	T4 PROTEIN >gi 419180 pir F43692 T4 protein - rabbit fibroma virus	2.8
1005	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	0.002	4205068	(U69592) nef protein [Human immunodeficiency virus type 1]	2.8
1006	U42430	Mesocricetus auratus CD36 mRNA, complete cds	0.002	1480370	(X99406) protein kinase [Xenopus laevis]	2.8
1007	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17 6 mRNA, complete cds	0.002	125356	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE FES/FPS (C-FES) >gi 2117868 pir I48347 protein-tyrosine kinase-related protein - mouse	2.2
1008	U76523	Sambucus nigra lectin precursor mRNA. complete cds	0.002	951451	(L46818) TCJ3 [Trypanosoma cruzi]	1.9
1009	AF093268	Rattus norvegicus homer-1c mRNA. complete cds	0.002	1078029	hypothetical protein YOR022c - yeast OR26.12 [Saccharomyces cerevisiae]	1.8
1010	AF100694	Mus musculus Pontin52 mRNA. complete cds	0.002	1360893	klcB protein - plasmid RK2 >gi 603901	1.2
1011	U92894	Homo sapiens LERK-6 (EPLG6) gene. exons 2 and 3	0.002	113670	!!!! ALU CLASS E WARNING ENTRY !!!!	1.2
1012	Z54983	H.sapiens CpG DNA, clone 181g2, forward read cpg181g2.ft1a	0.002	3688090	(AC005757) R32611_2 [Homo sapiens]	1.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(Z66521) similar to n-	
1013	D90809	E.coli genomic DNA, Kohara clone #318(37.2-37.6 min.)	0.002	3880435	acetylactosamine synthase; cDNA EST yk258c9.5 comes from this gene	0.82
1014	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	0.002	1360834	transcriptional control protein 50 - equine herpesvirus 2 >gi 695223 (U20824) ORF 50 [Equine herpesvirus 2]	0.67
1015	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.002	3876367	(Z69360) weak similarity to Eimeria thrombospondin (PIR Acc. No. A45517); cDNA EST EMBL:M89266 comes from this gene; cDNA EST yk295b9.5 comes from this gene [Caenorhabditis elegans] Eimeria thrombospondin (PIR Acc. No. A45517); cDNA EST EMBL:M89266 comes from this gene; cDNA EST yk295b9.5 comes from this gene [Caenorhabditis elegans]	0.66
1016	AB012105	Brassica rapa mRNA for SLG45, complete cds	0.002	417782	SMP2 PROTEIN >gi 320853 pir S30911 SMP2 protein - yeast (Saccharomyces cerevisiae) gene [Saccharomyces cerevisiae]	0.53
1017	AF104631	Chlamydomonas reinhardtii light harvesting complex II protein precursor (Lhcb3) mRNA, complete cds	0.002	190247	(J04564) snRNP polypeptide B [Homo sapiens]	0.34
1018	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.002	1334398	(X15081) MURF2 protein (AA 1-348)	0.30
1019	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.002	1334398	(X15081) MURF2 protein (AA 1-348)	0.29
1020	U91524	Drosophila melanogaster ferritin subunit 1	0.002	3257342	(AP000004) 879aa long hypothetical purine NTPase [Pyrococcus horikoshii]	0.26

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens mRNA				
1021	AJ225089	for 2'-5' oligoadenylate synthetase 59 kDa isoform	0.002	3513512	(AF043944) nongradient byssal precursor [Mytilus edulis]	0.17
1022	AB012106	Brassica rapa mRNA for SRK45. complete cds	0.002	548937	CELL SURFACE GLYCOPROTEIN 1 PRECURSOR	0.14
1023	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA. complete cds	0.002	2707911	(AF038383) capsid protein [Feline calicivirus]	0.13
1024	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA. complete cds	0.002	2498506	PROLINE-RICH PROTEIN LAS17 yeast (Saccharomyces cerevisiae) protein [Saccharomyces cerevisiae]	0.085
1025	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	3402186	Chain A, Structure Of Tobacco Ringspot Virus	0.048
1026	AB012105	Brassica rapa mRNA for SLG45. complete cds	0.002	387111	(J03723) carbohydrate binding protein 35 [Mus musculus]	0.002
1027	AF104631	Chlamydomonas reinhardtii light harvesting complex II protein precursor (Lhcb3) mRNA. complete cds	0.002	35871	(X64002) RAP74 [Homo sapiens] >gi1228483 prf 1804353A transcription factor RAP74 [Homo sapiens]	6e-09
1028	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA. complete cds	0.002	3880930	(AL021481) similar to Phosphoglucomutase and phosphomannomutase phosphoserine; cDNA EST EMBL:D36168 comes from this gene; cDNA EST EMBL:D70697 comes from this gene, cDNA EST yk373h9.5 comes from this gene; cDNA EST EMBL:T008...	3e-14

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1029	M13498	Mouse renal kallikrein gene mGK-6, exon 1.	0.002	3979818	(Z49967) cDNA EST EMBL:T00743 comes from this gene; cDNA EST EMBL:D69356 comes from this gene; cDNA EST EMBL:D65790 comes from this gene; cDNA EST EMBL:D70463 comes from this gene; cDNA EST EMBL:D66620 comes from this gene; ...	3e-14
1030	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.002	3879755	(Z80220) similar to nucleotide binding protein; cDNA EST EMBL:M75897 comes from this gene; cDNA EST EMBL:M89054 comes from this gene; cDNA EST EMBL:D26713 comes from this gene; cDNA EST EMBL:D26718 comes from this gene; cDNA...	1e-15
1031	J03526	Yeast (<i>S.cerevisiae</i>) aspartokinase gene, complete cds.	0.002	3980554	(AC004849) similar to several hypothetical proteins: U70849 (PID:g1572765), U00043 (PID:g470341), Z50070	3e-17
1032	U23412	Caenorhabditis elegans cosmid T10F2.	0.002	727448	(U23412) similar to proteins in the mitochondrial carrier family [Caenorhabditis elegans]	3e-18
1033	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.002	2315828	(AF016687) similar to alpha-actinin [Caenorhabditis elegans]	7e-26
1034	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.001	<NONE>	<NONE>	<NONE>
1035	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.001	<NONE>	<NONE>	<NONE>
1036	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.001	<NONE>	<NONE>	<NONE>

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1037	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.001	<NONE>	<NONE>	<NONE>
1038	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.001	2338550	(AF013284) keratin [Sparus aurata]	0.33
1039	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	9e-04	<NONE>	<NONE>	<NONE>
1040	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	9e-04	<NONE>	<NONE>	<NONE>
1041	Y00493	Aspergillus nidulans DNA for transformation enhancing fragment ans1	9e-04	<NONE>	<NONE>	<NONE>
1042	AB012106	Brassica rapa mRNA for SRK45, complete cds	9e-04	<NONE>	<NONE>	<NONE>
1043	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	9e-04	<NONE>	<NONE>	<NONE>
1044	AF100694	Mus musculus Pontin52 mRNA, complete cds	9e-04	3880252	(Z82055) similar to Zinc finger, C4 type (two domains) [Caenorhabditis elegans]	7.8
1045	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	9e-04	3522957	(AC004411) unknown protein [Arabidopsis thaliana]	3.7
1046	AF100694	Mus musculus Pontin52 mRNA, complete cds	9e-04	1945621	(D84435) HMW prekininogen [Mus sp.]	3.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1047	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	9e-04	2633169	(Z99108) similar to iron(III) dicitrate transport permease [Bacillus subtilis] subtilis]	0.56
1048	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	9e-04	3876299	(Z71180) similar to BPTI/KUNITZ inhibitor domain; cDNA EST EMBL:D68293 comes from this gene; cDNA EST yk448h4.5 comes from this gene; cDNA EST yk249e6.5 comes from this gene; cDNA EST yk448h4.3 comes from this gene [Caenorha... >gi 3880760 gnl PID e1350302 (AL021474) similar to BPTI/KUNITZ inhibitor domain; cDNA EST EMBL:D68293 comes from this gene; cDNA EST yk448h4.5 comes from this gene; cDNA EST yk249e6.5 comes from this gene; cDNA EST yk448h4.3 comes from this gene [Caenor...	3e-15
1049	AB012105	Brassica rapa mRNA for SLG45, complete cds	8e-04	<NONE>	<NONE>	<NONE>
1050	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	8e-04	<NONE>	<NONE>	<NONE>
1051	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	8e-04	<NONE>	<NONE>	<NONE>
1052	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	8e-04	<NONE>	<NONE>	<NONE>
1053	AB012106	Brassica rapa mRNA for SRK45, complete cds	8e-04	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1054	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	8e-04	<NONE>	<NONE>	<NONE>
1055	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-04	<NONE>	<NONE>	<NONE>
1056	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	8e-04	<NONE>	<NONE>	<NONE>
1057	AB012106	Brassica rapa mRNA for SRK45, complete cds	8e-04	<NONE>	<NONE>	<NONE>
1058	Y00493	Aspergillus nidulans DNA for transformation enhancing fragment ans1	8e-04	<NONE>	<NONE>	<NONE>
1059	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	8e-04	<NONE>	<NONE>	<NONE>
1060	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	8e-04	<NONE>	<NONE>	<NONE>
1061	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	8e-04	<NONE>	<NONE>	<NONE>
1062	AF093268	Rattus norvegicus hemer-1c mRNA, complete cds	8e-04	<NONE>	<NONE>	<NONE>

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1063	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	8e-04	<NONE>	<NONE>	<NONE>
1064	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	8e-04	<NONE>	<NONE>	<NONE>
1065	X55064	Chinese hamster metallothionein I gene	8e-04	4218005	(AC006135) putative vicilin storage protein	9.4
1066	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-04	2072326	(U95843) DNA polymerase [Murine adenovirus type 1]	9.3
1067	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	8e-04	126709	MALTOSE OPERON PERIPLASMIC PROTEIN PRECURSOR >gi 478599 pir S20600 malM protein - Salmonella typhimurium >gi 47770 (X54292) malM	9.1
1068	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-04	3914984	FERRICHROME SIDEROPHORE PEPTIDE SYNTHETASE >gi 2731633 (U62738) ferrichrome siderophore peptide synthetase [Ustilago maydis]	7.2
1069	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	8e-04	1176647	SRA-2 PROTEIN chemosensory receptor [Caenorhabditis elegans]	6.7
1070	D63861	Human DNA for cyclophilin 40, complete cds	8e-04	1177049	ZINC FINGER PROTEIN ZMS1 YJR127c [Saccharomyces cerevisiae]	6.6
1071	U09817	Human adenine phosphoribosyltransferase (APRT) gene, 5' region and partial cds	8e-04	3413862	(AB007919) KIAA0450 protein [Homo sapiens]	6.5
1072	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	8e-04	1788209	(AE000283) high-affinity L-arabinose transport system; membrane protein, fragment 1 [Escherichia coli]	5.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					PHOSPHOENOLPYRUVATE	
					CARBOXYLASE	
1073	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-04	1168759	phosphoenolpyruvate carboxylase (ppc) homolog - Haemophilus influenzae (strain Rd KW20) >gi 1574482	5.0
1074	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	8e-04	2496785	HYPOTHETICAL 20.1 KD PROTEIN Y4YS	4.9
1075	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-04	2622654	(AE000913) heavy-metal transporting CPx-type ATPase	3.8
1076	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-04	992917	(L42814) acetyl CoA carboxylase [Glycine max]	3.2
1077	AF064029	Helianthus tuberosus lectin I mRNA, complete cds	8e-04	416592	A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR >gi 101170 pir A41258 a- agglutinin core protein AGA1 - yeast (Saccharomyces cerevisiae)	3.0
1078	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	8e-04	1020191	(U31781) putative [Human papillomavirus type 23]	3.0
1079	L42319	Bos taurus (clone Sal3.8) tristetraprolin	8e-04	2914119	(U42839) F11C7.5 [Caenorhabditis elegans]	2.5
1080	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	8e-04	1336008	(U56104) acyl-ACP thioesterase [Cuphea wrightii]	2.2
1081	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath- A) mRNA, complete cds	8e-04	3122972	PROBABLE TRNA	2.2
1082	AJ223734	Sus scrofa SCAMP1 gene, exon 1 and joined CDS	8e-04	2117181	(Z95584) mcr [Mycobacterium tuberculosis]	1.4
1083	AJ223734	Sus scrofa SCAMP1 gene, exon 1 and joined CDS	8e-04	2117181	(Z95584) mcr [Mycobacterium tuberculosis]	1.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1084	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	8e-04	3560124	(AJ007670) LGMD2B protein [Homo sapiens]	1.1
1085	U19261	Human Epstein-Barr virus-induced protein mRNA, complete cds.	8e-04	1730009	NUCLEOPROTEIN TPR >gi 633226	0.62
1086	U19261	Human Epstein-Barr virus-induced protein mRNA, complete cds.	8e-04	1730009	NUCLEOPROTEIN TPR >gi 633226	0.57
1087	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	8e-04	137748	PROBABLE E5 PROTEIN	0.34
1088	AF074387	Sambucus nigra hevein-like protein mRNA, complete cds	8e-04	1709513	PHOSPHATIDYLINOSITOL 3-KINASE CATALYTIC SUBUNIT, GAMMA ISOFORM (PI3-KINASE P110 SUBUNIT GAMMA) (PTDINS-3-KINASE P110) (PI3K)	0.039
1089	Z83321	A.thaliana 16 kb chromosome 1 DNA fragment	8e-04	1353139	PROBABLE PSEUDOURIDYLATE SYNTHASE E02H1.3 (PSEUDOURIDINE SYNTHASE) DEG-1 protein (Swiss Prot accession number P31115); cDNA EST EMBL:D70252 comes from this gene; cDNA EST EMBL:D66512 comes from this gene; cDNA EST yk366h4.3 comes from this gene; cDNA EST yk366h4.5 ...	1e-12
1090	AF035299	Homo sapiens clone 23863 mRNA, partial cds	8e-04	3252824	(AC004382) Unknown gene product [Homo sapiens]	2e-70
1091	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1092	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1093	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1094	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1095	AF074387	Sambucus nigra hevein-like protein mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1096	AF074387	Sambucus nigra hevein-like protein mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1097	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1098	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	7e-04	<NONE>	<NONE>	<NONE>
1099	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1100	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1101	AF074387	Sambucus nigra hevein-like protein mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1102	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Brassica rapa mRNA for SRK45, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1103	AB012106					
1104	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1105	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1106	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath- A) mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1107	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1108	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1109	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath- B) mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1110	AF016434	Caenorhabditis elegans cosmid F58D7	7e-04	<NONE>	<NONE>	<NONE>
1111	U52427	Human RNA polymerase II seventh subunit (rpb-7) gene, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1112	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath- B) mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1113	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1114	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
1115	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-04	3876415	(Z81070) similar to fasciclin; cDNA EST EMBL:D67949 comes from this gene; cDNA EST EMBL:D64648 comes from this gene; cDNA EST EMBL:D64797 comes from this gene; cDNA EST EMBL:C11873 comes from this gene; cDNA EST EMBL:C10283 ...	9.9
1116	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-04	1076558	hypothetical protein x (nad5 exon c 5' region) - evening primrose mitochondrion (Z78013) similarity to	7.8
1117	AB012106	Brassica rapa mRNA for SRK45, complete cds	7e-04	3875964	Drosophila Cadherin-related tumor suppressor precursor gene; cDNA EST EMBL:T00146 comes from this gene; cDNA EST EMBL:D33921 comes from this gene; c... Drosophila Cadherin- related tumor suppressor precursor gene; cDNA EST EMBL:T00146 comes from this gene; cDNA EST EMBL:D33921 comes from this gene; c...	7.7
1118	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	7e-04	669033	(U20864) similar to mucin; similar to lactoperoxidase, thyroid peroxidase, myeloperoxidase, and eosinophil peroxidase [Caenorhabditis elegans]	6.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1119	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	7e-04	3880252	(Z82055) similar to Zinc finger, C4 type (two domains) [Caenorhabditis elegans]	6.2
1120	AB012106	Brassica rapa mRNA for SRK45, complete cds	7e-04	123052	FERROCHELATASE PRECURSOR (PROTOHEME FERRO-LYASE) (HEME SYNTHETASE) >gi 87410 pir A36403 ferroxidase (EC 4.99.1.1) precursor - human precursor [Homo sapiens]	6.1
1121	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	7e-04	130319	PLASMINOGEN >gi 2144494 pir PLPG plasmin (EC 3.4.21.7) precursor - pig (fragment)	6.0
1122	AF074385	Sambucus nigra hevein-like protein mRNA, complete cds	7e-04	212713	(J03579) c-tyl tyrosine kinase (EC 2.7.1.112) [Gallus gallus]	5.9
1123	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	7e-04	118053	APOCYTOCHROME F PRECURSOR chloroplast >gi 11845 (Z00044) cytochrome f [Nicotiana tabacum] >gi 225213 prf 1211235AU cytochrome f	5.9
1124	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	7e-04	118053	APOCYTOCHROME F PRECURSOR chloroplast >gi 11845 (Z00044) cytochrome f [Nicotiana tabacum] >gi 225213 prf 1211235AU cytochrome f	5.9
1125	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	7e-04	3892137	(Z69883) similar to member of worm-specific protein family; cDNA EST yk238b3.5 comes from this gene [Caenorhabditis elegans] of worm-specific protein family; cDNA EST yk238b3.5 comes from this gene [Caenorhabditis elegans]	5.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1126	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	7e-04	3688181	(AL031804) putative protein (fragment)	5.7
1127	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	7e-04	4176525	(AL035263) hypothetical protein	4.6
1128	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	7e-04	1834495	(X98248) sortilin [Homo sapiens]	3.7
1129	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	7e-04	567166	(L03172) This CDS feature is included to show the translation of the corresponding V_region. Presently translation qualifiers on V_region features are illegal.	3.4
1130	AB012105	Brassica rapa mRNA for SLG45, complete cds	7e-04	1142657	(U22680) X2 box repressor [Homo sapiens]	2.9
1131	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	7e-04	3122972	PROBABLE TRNA	2.0
1132	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	7e-04	1834495	(X98248) sortilin [Homo sapiens]	1.1
1133	AF064029	Helianthus tuberosus lectin I mRNA, complete cds	7e-04	3257709	(AP000005) 115aa long hypothetical protein [Pyrococcus horikoshii]	0.52
1134	U62021	Mus musculus neuronal pentraxin I (NPTX1) gene, complete cds	7e-04	3242750	(AC005164) match to ESTs AA731149 (NID:g2140138), AA731908 (NID:g2752719), AA287837 (NID:g1933519), AA262811 (NID:g1898382), and AA825820 (NID:g2899132)	0.022
1135	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	7e-04	1174915	UTROPHIN (DYSTROPHIN-RELATED PROTEIN 1) (DRP1) (DRP) >gi 284488 pir S28381 utrophin protein [Homo sapiens]	0.013

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Arabidopsis thaliana				
1136	AJ005813	mRNA for neoxanthin cleavage enzyme	7e-04	1707017	(U78721) RNA helicase isolog [Arabidopsis thaliana]	0.001
1137	U95607	Mus musculus testis specific DNAj-homolog mRNA, complete cds	7e-04	3880170	(Z54216) similar to DNAJ protein; cDNA EST EMBL:T00334 comes from this gene; cDNA EST EMBL:T01898 comes from this gene; cDNA EST EMBL:T02311 comes from this gene; cDNA EST EMBL:D72569 comes from this gene; cDNA EST yk375e5.3...	2e-15
1138	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	7e-04	2677676	(AC002467) DRA protein (down-regulated in adenoma); sulfate transporter; match to P40879 (PID:g729367) [Homo sapiens]	7e-60
1139	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	6e-04	<NONE>	<NONE>	<NONE>
1140	M32475	Rattus norvegicus carcinoembryonic antigen-related protein (CGM4) gene, exons 2 and 3.	4e-04	<NONE>	<NONE>	<NONE>
1141	X61444	H.sapiens TCR V-beta 6.10 gene for TCR beta chain variable region	4e-04	124091	PROBABLE PROCESSING AND TRANSPORT PROTEIN (INFECTED CELL PROTEIN 18.5) (ICP18.5 PROTEIN) protein ICP18.5 - bovine herpesvirus 2 (strain BMV)	7.4
1142	Z70295	H.sapiens GCAP-II gene	4e-04	2496201	HYPOTHETICAL PROTEIN MJCS07 Methanococcus jannaschii plasmid pURB801 >gi 1522639	1.3
1143	M94579	Human carboxyl ester lipase (CEL) gene, complete cds.	3e-04	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens				
1144	M97911	Wegener's granulomatosis autoantigen proteinase 3 gene, exons 1, 2, 3, 4, and 5.	3e-04	<NONE>	<NONE>	<NONE>
1145	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	3e-04	<NONE>	<NONE>	<NONE>
1146	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	3e-04	<NONE>	<NONE>	<NONE>
1147	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	3e-04	<NONE>	<NONE>	<NONE>
1148	AF034099	Laccaria bicolor glyoxal malate synthase protein mRNA, complete cds	3e-04	<NONE>	<NONE>	<NONE>
1149	AB012105	Brassica rapa mRNA for SLG45, complete cds	3e-04	<NONE>	<NONE>	<NONE>
1150	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	3e-04	<NONE>	<NONE>	<NONE>
1151	AB012106	Brassica rapa mRNA for SRK45, complete cds	3e-04	<NONE>	<NONE>	<NONE>
1152	AB012105	Brassica rapa mRNA for SLG45, complete cds	3e-04	<NONE>	<NONE>	<NONE>
1153	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	3e-04	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens				
1154	AF051882	carbonic anhydrase XII precursor	3e-04	<NONE>	<NONE>	<NONE>
1155	AF074387	Sambucus nigra hevein-like protein mRNA, complete cds	3e-04	<NONE>	<NONE>	<NONE>
1156	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	3e-04	2467306	(AB000919) VHA-4 [Caenorhabditis elegans] >gi 3879265 gnl PID e1348752 (Z68317) similar to proteolipid protein PPA1 like protein; cDNA EST EMBL:Z14765 comes from this gene; cDNA EST EMBL:D73255 comes from this gene; cDNA EST EMBL:D72321 comes from this gene; cDNA EST EMBL:D76269 comes from this...	8.8
1157	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	3e-04	1346609	MALVOLIO PROTEIN	6.5
1158	X91890	H.sapiens regulatory region of HOXA7 gene	3e-04	1199810	(X95665) cDNA6 gene product [Brugia pahangi]	5.4
1159	AB009369	Mus musculus mRNA for G protein-coupled receptor KY411, complete cds	3e-04	3880848	(AL031633) cDNA EST yk210c11.3 comes from this gene; cDNA EST yk210c11.5 comes from this gene	5.0
1160	M94580	Human carboxyl ester lipase-like (CELL) gene.	3e-04	1628471	(Y08780) Men-8 [Silene latifolia]	4.1
1161	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	3e-04	3523135	(AF039315) transferrin binding protein A; TbpA	2.9
1162	X90761	Homo sapiens hHa2 gene	3e-04	2144023	zinc finger DNA-binding protein - rat	1.9
1163	M94579	Human carboxyl ester lipase (CEL) gene, complete cds.	3e-04	2370466	(Z98951) hypothetical protein	1.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1164	U55207	Mus musculus tissue transglutaminase gene, promoter region and partial cds	3e-04	2463203	(Y11536) SHOXa protein [Homo sapiens] homeodomain-containing protein [Homo sapiens]	0.90
1165	U55207	Mus musculus tissue transglutaminase gene, promoter region and partial cds	3e-04	2463203	(Y11536) SHOXa protein [Homo sapiens] homeodomain-containing protein [Homo sapiens]	0.80
1166	U47105	Human H105e3 mRNA, complete cds	3e-04	93127	BHV-1 protein homolog VZV9 - bovine herpesvirus 1	0.26
1167	D14479	Rat mRNA for calpain, complete cds	3e-04	477319	calpain (EC 3.4.22.17) large chain nCL-2, tissue-specific - rat >gi 441200 gnl PID d1003880	0.023
1168	M32514	Rat simple sequence DNA, clone 5.	3e-04	3560497	(AF023853) ElpB2 [Borrelia burgdorferi]	0.003
1169	AB012106	Brassica rapa mRNA for SRK45, complete cds	3e-04	2495704	HYPOTHETICAL PROTEIN KIAA0129 product is novel. [Homo sapiens]	4e-04
1170	X82829	B.taurus mRNA for nuclear DNA helicase II	3e-04	2880057	(AC002340) putative RNA helicase A, 5' partial	2e-19
1171	AF034099	Laccaria bicolor glyoxal malate synthase protein mRNA, complete cds	2e-04	<NONE>	<NONE>	<NONE>
1172	AB012105	Brassica rapa mRNA for SLG45, complete cds	2e-04	<NONE>	<NONE>	<NONE>
1173	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	2e-04	<NONE>	<NONE>	<NONE>
1174	AB012106	Brassica rapa mRNA for SRK45, complete cds	2e-04	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1175	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	2e-04	<NONE>	<NONE>	<NONE>
1176	Y09232	H.sapiens fertilin alpha pseudogene	2e-04	<NONE>	<NONE>	<NONE>
1177	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	2e-04	<NONE>	<NONE>	<NONE>
1178	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-04	<NONE>	<NONE>	<NONE>
1179	AF072847	Homo sapiens putative swelling-activated chloride channel (CLNS1A) gene, intron 6	2e-04	<NONE>	<NONE>	<NONE>
1180	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	2e-04	<NONE>	<NONE>	<NONE>
1181	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	2e-04	<NONE>	<NONE>	<NONE>
1182	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	2e-04	1213557	(U50199) coded for by C. elegans cDNA yk89e9.5; coded for by C. elegans cDNA cm7g5; coded for by C. elegans cDNA cm14b9; coded for by C. elegans cDNA yk52g5.5; coded for by C. elegans cDNA yk76e5.5; coded for by C. elegans cDNA yk131f11.5; c...	8.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					EPITHELIAL DISCOIDIN	
1183	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	2e-04	729008	DOMAIN RECEPTOR 1 PRECURSOR (TYROSINE- PROTEIN KINASE CAK) (CELL ADHESION KINASE) (TYROSINE KINASE DDR) (DISCOIDIN RECEPTOR TYROSINE KINASE) (TRK E) (PROTEIN-TYROSINE KINASE RTK 6) sapiens]	8.3
1184	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	2e-04	2507582	HYPOTHETICAL 138.1 KD PROTEIN IN MOLR-BGLX INTERGENIC REGION >gi 1788436 (AE000300) putative regulator [Escherichia coli]	7.8
1185	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	2e-04	1085500	collagen alpha 1(IX) chain - mouse musculus] >gi 744962 prf 2015346A collagen:SUBUNIT=alpha1:ISO TYPE=IX [Mus musculus]	7.8
1186	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath- A) mRNA, complete cds	2e-04	2623967	(Y13942) GTN Reductase [Agrobacterium radiobacter]	7.4
1187	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	2e-04	2497316	ADVANCED GLYCOSYLATION END PRODUCT-SPECIFIC RECEPTOR PRECURSOR (RECEPTOR FOR ADVANCED GLYCOSYLATION END PRODUCTS) products receptor precursor - bovine >gi 163651 (M91212) receptor for advanced glycosylation end products [Bos taurus]	5.3
1188	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath- B) mRNA, complete cds	2e-04	1001710	(D64004) hypothetical protein	3.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1189	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	2e-04	3258584	(U41263) The 3' UTR of this gene overlaps the 3' UTR of T19D12.6(confirmed by EST hits) [Caenorhabditis elegans]	2.1
1190	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	2e-04	2736338	(AF038623) contains similarity to RNA recognition motifs	0.89
1191	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	2e-04	2196567	(D88588) lipoprotein [Escherichia coli]	0.69
1192	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	2e-04	3319874	(AJ006096) F-spondin [Branchiostoma floridae]	5e-04
1193	L26049	Chlamydomonas reinhardtii dynein heavy chain alpha (ODA11) gene, exons 2-15, and partial cds.	2e-04	3876775	(Z81077) predicted using Genefinder; Similarity to Yeast protein 8248 (TR:G587531)	2e-09
1194	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-04	<NONE>	<NONE>	<NONE>
1195	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	1e-04	<NONE>	<NONE>	<NONE>
1196	L34219	Homo sapiens retinaldehyde-binding protein (CRALBP) gene, complete cds.	1e-04	<NONE>	<NONE>	<NONE>
1197	X51890	Rhesus monkey interleukin-3 gene	1e-04	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Plasmodium				
1198	AE001421	falciparum chromosome 2, section 58 of 73 of the complete sequence	1e-04	<NONE>	<NONE>	<NONE>
1199	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	1e-04	<NONE>	<NONE>	<NONE>
1200	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	1e-04	2576287	(Y15086) HepC protein [Cylindrotheca fusiformis]	4.7
1201	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	1e-04	3395673	(AB016623) RWC-3 [Oryza sativa]	0.14
1202	AF038035	Homo sapiens BRCA1-associated RING domain protein (BARD1) gene, exons 2 and 3	9e-05	<NONE>	<NONE>	<NONE>
1203	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	9e-05	<NONE>	<NONE>	<NONE>
1204	AB012106	Brassica rapa mRNA for SRK45, complete cds	9e-05	<NONE>	<NONE>	<NONE>
1205	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	9e-05	<NONE>	<NONE>	<NONE>
1206	AF034099	Laccaria bicolor glyoxal malate synthase protein mRNA, complete cds	9e-05	1351553	HYPOTHETICAL LIPOPROTEIN MG348 PRECURSOR >gi 1361668 pir E64238 hypothetical protein MG348 - Mycoplasma genitalium (SGC3) >gi 3844931	8.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1207	D50006	Human DNA for alpha-platelet-derived growth factor receptor, exon 6-10	9e-05	3063639	(AF056494) NADH dehydrogenase subunit 5 [Panorpa japonica]	5.1
1208	U50423	Human Down Syndrome region of chromosome 21, clone A41B8-1B7.	9e-05	124273	INHIBIN ALPHA CHAIN PRECURSOR bovine >gi 163195 (M13273) inhibin A subunit [Bos taurus]	3.0
1209	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	9e-05	4007782	(X72850) 2,4-dihydroxybenzoate monooxygenase [Sphingomonas sp.]	2.3
1210	AC005276	Homo sapiens clone fragment UWGC:gap3 from 7q31.3, complete sequence [Homo sapiens]	9e-05	1492075	(U60315) MC132L [Molluscum contagiosum virus subtype 1]	1.0
1211	AF100694	Mus musculus Pontin52 mRNA, complete cds	9e-05	2887423	(AB007884) KIAA0424 [Homo sapiens]	2e-10
1212	X77772	C.fuscus gamma-M2-1 crystallin mRNA.	9e-05	2072425	(U83115) non-lens beta gamma-crystallin like protein [Homo sapiens]	7e-25
1213	AB012106	Brassica rapa mRNA for SRK45, complete cds	8e-05	<NONE>	<NONE>	<NONE>
1214	L06178	Apis mellifera ligustica complete mitochondrial genome	8e-05	<NONE>	<NONE>	<NONE>
1215	AB012106	Brassica rapa mRNA for SRK45, complete cds	8e-05	<NONE>	<NONE>	<NONE>
1216	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	8e-05	<NONE>	<NONE>	<NONE>
1217	L06178	Apis mellifera ligustica complete mitochondrial genome	8e-05	<NONE>	<NONE>	<NONE>
1218	AB012106	Brassica rapa mRNA for SRK45, complete cds	8e-05	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus				
1219	AF100694	Pontin52 mRNA, complete cds	8e-05	<NONE>	<NONE>	<NONE>
1220	AB012106	Brassica rapa mRNA for SRK45, complete cds	8e-05	<NONE>	<NONE>	<NONE>
1221	AB012106	Brassica rapa mRNA for SRK45, complete cds	8e-05	1722841	WNT-11 PROTEIN PRECURSOR (XWNT-11) clawed frog >gi 439108 (L23542) maternal protein	9.9
1222	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	8e-05	1205991	(U35637) nebulin [Homo sapiens]	9.6
1223	AF024605	Homo sapiens serine protease-like protease Sequence 2 from patent US 5736377	8e-05	3242783	(AF055354) respiratory burst oxidase protein B	8.6
1224	Y13148	Rattus norvegicus mRNA for PAG608 gene	8e-05	2314243	(AE000616) alpha-ketoglutarate permease (kgtP)	8.1
1225	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	8e-05	1170586	RAS GTPASE-ACTIVATING-LIKE PROTEIN IQGAP1 (P195) (KIAA0051) >gi 627594 pir A54854 Ras GTPase activating-related protein - human sapiens] >gi 536844 (L33075) ras GTPase-activating-like protein [Homo sapiens]	7.8
1226	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	8e-05	464239	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4 >gi 1085185 pir S52968 NADH dehydrogenase chain 4 - honeybee mitochondrion (SGC4) >gi 552446 (L06178) NADH dehydrogenase subunit 4 [Apis mellifera ligustica]	3.5
1227	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-05	544353	F-SPONDIN PRECURSOR	3.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1228	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	8e-05	483243	apolipoprotein B-100 - chicken (fragment)	3.4
1229	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	8e-05	91207	proline-rich protein - mouse (fragment) musculus]	2.2
1230	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	8e-05	2499181	ZONADHESIN PRECURSOR >gi 1066466	2.2
1231	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	8e-05	2499181	ZONADHESIN PRECURSOR >gi 1066466	1.9
1232	AB012106	Brassica rapa mRNA for SRK45, complete cds	8e-05	2833647	(AF027972) flagelliform silk protein [Nephila clavipes]	1.6
1233	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	8e-05	1163063	(Z49821) MYO2 [Saccharomyces cerevisiae]	0.90
1234	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	8e-05	1653488	(D90914) hypothetical protein	0.30
1235	M26510	Chicken nonmuscle myosin heavy chain (MHC) gene, complete cds.	8e-05	112159	plectin - rat	0.003
1236	U56402	Human chromatin structural protein homolog	8e-05	2088823	(AF003384) weak similarity to the peptidase family A2	1e-13
1237	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-05	437181	(U02289) GTPase-activating protein [Caenorhabditis elegans]	2e-17
1238	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-05	465983	HYPOTHETICAL 80.8 KD PROTEIN ZC21.4 IN CHROMOSOME III	8e-27

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1239	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	7e-05	<NONE>	<NONE>	<NONE>
1240	U83656	Rattus norvegicus NF-KB gene, promotor region	7e-05	3880858	(AL031633) predicted using Genefinder; cDNA EST yk304f12.5 comes from this gene [Caenorhabditis elegans]	9.3
1241	AF074387	Sambucus nigra hevein-like protein mRNA, complete cds	7e-05	3080538	(AL022600) hypothetical protein	9.2
1242	X89398	H.sapiens ung gene for uracil DNA-glycosylase	7e-05	549700	HYPOTHETICAL 23.7 KD PROTEIN IN MDH1-VMA5 INTERGENIC REGION >gi 539182 pir S37908 hypothetical protein YKL083w - yeast (Saccharomyces cerevisiae) >gi 486120 (Z28082) ORF YKL083w	1.8
1243	M83753	Bovine follicle stimulating hormone-beta subunit gene, complete cds.	7e-05	2398621	(AJ000342) DMBT1 protein, 5.8 kb transcript [Homo sapiens]	1.8
1244	M80829	Rat troponin T cardiac isoform gene, complete cds	5e-05	854065	(X83413) U88 [Human herpesvirus 6]	2e-08
1245	AF074387	Sambucus nigra hevein-like protein mRNA, complete cds	4e-05	120240	FLAGELLIN B2 PRECURSOR Methanococcus voltae >gi 150063 (M72148) flagellin	5.2
1246	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	3e-05	<NONE>	<NONE>	<NONE>
1247	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	3e-05	<NONE>	<NONE>	<NONE>
1248	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	3e-05	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Rattus norvegicus				
1249	AF093268	homer-1c mRNA, complete cds	3e-05	<NONE>	<NONE>	<NONE>
1250	AB012106	Brassica rapa mRNA for SRK45, complete cds	3e-05	2773226	(AF039716) Similar to protein kinase [Caenorhabditis elegans]	6.7
1251	AF100694	Mus musculus Pontin52 mRNA, complete cds	3e-05	2072961	(U93568) putative p150 [Homo sapiens]	5.6
1252	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	3e-05	121855	EXOGLUCANASE II PRECURSOR cellulose 1,4-beta cellobiosidase (EC 3.2.1.91) II precursor - fungus (Trichoderma reesei) 1,4-beta-cellobiosidase (EC 3.2.1.91) II - fungus cellobiohydrolase II [Trichoderma reesei]	4.6
1253	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	3e-05	3880516	(AL021572) similar to CTP SYNTHASE (EC 6.3.4.2) (UTP-AMMONIA LIGASE) (CTP SYNTHETASE)	3.3
1254	M88299	Mouse brain-1 POU-domain protein, complete cds.	3e-05	1947048	(U66102) intimin [Escherichia coli]	3.0
1255	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	3e-05	3122872	CELL-CYCLE NUCLEAR AUTOANTIGEN SG2NA (S/G2 NUCLEAR ANTIGEN) >gi 1082650 pir JC2522 nuclear autoantigen - human >gi 805095 (U17989) GS2NA	2.8
1256	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	3e-05	1352145	CYTOCHROME C OXIDASE POLYPEPTIDE I chain I - Thermus aquaticus >gi 155083 (M84341) cytochrome c oxidase subunits precursor [Thermus thermophilus]	2.6
1257	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	3e-05	2811015	SEGMENTATION POLARITY PROTEIN ENGRAILED >gi 2076747 (U42429) engrailed [Anopheles gambiae] >gi 2148918 (U42214) engrailed [Anopheles gambiae]	2.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1258	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	3e-05	1657752	(U62325) FE65-like protein [Homo sapiens]	1.7
1259	AF100694	Mus musculus Pontin52 mRNA, complete cds	3e-05	2072961	(U93568) putative p150 [Homo sapiens]	1.5
1260	U76523	Sambucus nigra lectin precursor mRNA, complete cds	3e-05	1352145	CYTOCHROME C OXIDASE POLYPEPTIDE I chain I - Thermus aquaticus >gi 155083 (M84341) cytochrome c oxidase subunits precursor [Thermus thermophilus]	1.1
1261	X91890	H.sapiens regulatory region of HOXA7 gene	3e-05	111013	Sxr (Bkm-homolog) sex-determining region protein - mouse	1.0
1262	L36936	Homo sapiens metase gene, partial cds.	3e-05	1944352	(D84239) IgG Fc binding protein [Homo sapiens]	0.99
1263	AB012105	Brassica rapa mRNA for SLG45, complete cds	3e-05	417782	SMP2 PROTEIN >gi 320853 pir S30911 SMP2 protein - yeast (Saccharomyces cerevisiae) gene [Saccharomyces cerevisiae]	0.89
1264	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	3e-05	1708501	INTEGRIN ALPHA CHAIN-LIKE PROTEIN alpha Int1p [Candida albicans]	0.39
1265	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	3e-05	1587031	cis-Golgi matrix protein GM130 [Rattus norvegicus]	0.20
1266	Z81014	Human DNA sequence from cosmid U65A4, between markers DXS366 and DXS87 on chromosome X *	3e-05	2072964	(U93569) putative p150 [Homo sapiens]	0.049

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					glycosylated and myristilated	
1267	Z96668	H.sapiens telomeric DNA sequence, clone 7PTEL001, read 7PTELOO001.seq	3e-05	542429	smaller surface antigen - Plasmodium falciparum >gi 836640 (X76298) glycosylated and myristilated smaller surface antigen gallus] >gi 1092178 prf 2023165B surface antigen	0.029
1268	AB012105	Brassica rapa mRNA for SLG45, complete cds	3e-05	3879121	(Z70310) predicted using Genefinder; Similarity to Mouse ankyrin (PIR Acc. No. S37771); cDNA EST EMBL:T01923 comes from this gene; cDNA EST EMBL:D32335 comes from this gene; cDNA EST EMBL:D32723 comes from this gene; cDNA ES... Genefinder; Similarity to Mouse ankyrin (PIR Acc. No. S37771); cDNA EST EMBL:T01923 comes from this gene; cDNA EST EMBL:D32335 comes from this gene; cDNA EST EMBL:D32723 comes from this gene; cDNA ES...	2e-13
1269	AF074385	Sambucus nigra hevein-like protein mRNA, complete cds	3e-05	2497677	ZYXIN (ZYXIN 2) sapiens] >gi 1545954 gnl PID e223417 (X95735) zyxin	2e-23
1270	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	1e-05	<NONE>	<NONE>	<NONE>
1271	X16318	Canine mRNA for signal recognition particle 54k protein	1e-05	3122612	PITUITARY HOMEBOX 3 (HOMEBOX PROTEIN PITX3) >gi 2645427 (AF005772) homeobox protein Pitx3 [Mus musculus]	4.4
1272	AB012105	Brassica rapa mRNA for SLG45, complete cds	1e-05	1652458	(D90905) DNA mismatch repair protein MutL [Synechocystis sp.]	0.62

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1273	U57843	Human phosphatidylinositol 3-kinase delta catalytic subunit mRNA, complete cds	1e-05	475909	(X67098) ORF1A [Homo sapiens]	0.22
1274	Z96569	H.sapiens telomeric DNA sequence, clone 2QTEL054, read 2QTELOO054.seq	1e-05	2137043	unknown protein - rabbit (fragment) cuniculus]	0.005
1275	AE000810	Methanobacterium thermoautotrophicum from bases 172512 to 182957 (section 16 of 148) of the complete genome	1e-05	3877579	(Z62271) Similarity to mouse kinensin-like protein KIF4 (SW:P33174); cDNA EST EMBL:D27320 comes from this gene; cDNA EST EMBL:D27322 comes from this gene; cDNA EST EMBL:D27321 comes from this gene; cDNA EST EMBL:D35764 comes... Mouse kinensin-like protein KIF4 (SW:P33174); cDNA EST EMBL:D27320 comes from this gene; cDNA EST EMBL:D27322 comes from this gene; cDNA EST EMBL:D27321 comes from this gene; cDNA EST EMBL:D35764 comes...	6e-27
1276	AB012113	Homo sapiens gene for CC chemokine PARC precursor, complete cds	9e-06	<NONE>	<NONE>	<NONE>
1277	AC005830	Homo sapiens Xp22-154-155 BAC GSHB-52411 (Genome Systems Human BAC Library), complete sequence [Homo sapiens]	9e-06	<NONE>	<NONE>	<NONE>
1278	D86245	Human MHC (HLA) DRB intron 1 DNA, partial sequence	9e-06	1051253	(U37531) mucin apoprotein [Mus musculus]	1.3
1279	D79998	Human mRNA for KIAA0176 gene, partial cds	9e-06	2833253	HYPOTHETICAL PROTEIN KIAA0176 sapiens]	4e-06

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(Z69635) Similarity to Yeast	
1280	U10246	Toxoplasma gondii RH uracil phosphoribosyl transferase gene, complete cds.	9e-06	3876090	uridine kinase (SW:URK1_YEAST); cDNA EST EMBL:Z14695 comes from this gene; cDNA EST CEMSE17F comes from this gene; cDNA EST EMBL:D67355 comes from this gene; cDNA EST yk209h1.5 comes from this ge...	7e-33
1281	U10246	Toxoplasma gondii RH uracil phosphoribosyl transferase gene, complete cds.	9e-06	3876090	(Z69635) Similarity to Yeast uridine kinase (SW:URK1_YEAST); cDNA EST EMBL:Z14695 comes from this gene; cDNA EST CEMSE17F comes from this gene; cDNA EST EMBL:D67355 comes from this gene; cDNA EST yk209h1.5 comes from this ge...	7e-34
1282	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	8e-06	<NONE>	<NONE>	<NONE>
1283	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	8e-06	<NONE>	<NONE>	<NONE>
1284	U66340	Human Rh blood group C antigen (RHCE) gene, exon 2, partial cds	8e-06	1707155	(U80837) F07E5.6 gene product [Caenorhabditis elegans]	9.6
1285	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	7e-06	<NONE>	<NONE>	<NONE>
1286	M29930	Human insulin receptor (allele 2) gene, exons 14, 15, 16 and 17.	4e-06	<NONE>	<NONE>	<NONE>
1287	L42103	Homo sapiens (subclone 5_d3 from P1 H25) DNA sequence.	3e-06	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus				
1288	AF012244	cerberus-like (Cer-1) gene, complete cds	3e-06	<NONE>	<NONE>	<NONE>
1289	Z69366	Human DNA sequence from cosmid L96F8, Huntington's Disease Region, chromosome 4p16.3 contains EST.	3e-06	<NONE>	<NONE>	<NONE>
1290	Z69366	Human DNA sequence from cosmid L96F8, Huntington's Disease Region, chromosome 4p16.3 contains EST.	3e-06	<NONE>	<NONE>	<NONE>
1291	X85232	H.sapiens chromosome 3 sequences	3e-06	<NONE>	<NONE>	<NONE>
1292	M32674	Human platelet glycoprotein IIIa, exons 7, 8 and 9.	3e-06	<NONE>	<NONE>	<NONE>
1293	D16879	Human HepG2 3' region cDNA, clone hmd2a01	3e-06	998296	(U33484) ependymin [Hemiodus sp.]	5.6
1294	U18614	Lagothrix lagotricha interphotoreceptor retinoid-binding protein (IRBP) gene, intron 1, complete sequence	3e-06	1613846	(U71440) polyprotein [Rice tungro spherical virus]	5.0
1295	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	3e-06	1477646	(U53204) plectin [Homo sapiens] >gi 1477651 (U63610) plectin [Homo sapiens]	4.0
1296	AF016898	Homo sapiens B-ATF gene, complete cds	3e-06	1085177	reverse transcriptase - fruit fly reverse transcriptase [Drosophila yakuba]	3.0
1297	AB018490	Homo sapiens DNA, trinucleotide repeats region	3e-06	3876572	(Z81522) predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain) [Caenorhabditis elegans]	3.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1298	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	3e-06	4240137	(AB020631) KIAA0824 protein [Homo sapiens]	2.7
1299	M37929	Homo sapiens adenosine monophosphate deaminase 1 (AMPD1) gene, exons 11-12.	3e-06	1653775	(D90916) thiol:disulfide interchange protein DsbD [Synechocystis sp.]	1.7
1300	M37929	Homo sapiens adenosine monophosphate deaminase 1 (AMPD1) gene, exons 11-12.	3e-06	1653775	(D90916) thiol:disulfide interchange protein DsbD [Synechocystis sp.]	1.7
1301	U60496	Glycine max actin (Soy86) gene, partial cds	3e-06	1730738	ACTIN-LIKE PROTEIN ARP5 Ynl2430p [Saccharomyces cerevisiae]	2e-05
1302	X14363	Yersinia pseudotuberculosis rplC, rplD, rplW, rplB and rpsS genes for ribosomal proteins L3, L4, L23, L2 and S19	3e-06	585879	50S RIBOSOMAL PROTEIN L2 maritima >gi 437926 (Z21677) ribosomal protein L2	2e-12
1303	Z34969	H.sapiens DNA for microsatellite polymorphism	2e-06	<NONE>	<NONE>	<NONE>
1304	X64707	H.sapiens BBC1 mRNA	1e-06	<NONE>	<NONE>	<NONE>
1305	AC005830	Homo sapiens Xp22-154-155 BAC GSHB-524I1 (Genome Systems Human BAC Library), complete sequence [Homo sapiens]	1e-06	<NONE>	<NONE>	<NONE>
1306	J04058	Human electron transfer flavoprotein alpha-subunit mRNA, complete cds.	1e-06	<NONE>	<NONE>	<NONE>

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1307	L25647	Homo sapiens fibroblast growth factor receptor gene (located in the central MHC) signal peptide and consecutive exon	1e-06	1586734	mxq gene [Methylobacterium organophilum]	5.4
1308	L26261	Human MHC class III HLA-RP1 gene.	1e-06	1684985	(U20633) NADH dehydrogenase subunit [Neuwiedia veratrifolia]	1.8
1309	AF002283	Mus musculus alpha-actinin-2 associated LIM protein mRNA, alternatively spliced product, complete cds	1e-06	2996196	(AF053367) carboxyl terminal LIM domain protein [Mus musculus]	4e-17
1310	M10935	Human haptoglobin gene (alpha-2 allele), complete cds and haptoglobin-related gene, exon 1 and three Alu repeats.	6e-07	<NONE>	<NONE>	<NONE>
1311	AC002251	Homo sapiens (subclone 1_g6 from BAC H76) DNA sequence	4e-07	2144491	coagulation factor Xa (EC 3.4.21.6) precursor norvegicus]	4.2
1312	AF047717	Streptomyces chrysomallus actinomycin synthetase II (acmB) gene, complete cds	4e-07	699196	(U15181) 4-coumarate-coA ligase [Mycobacterium leprae]	1e-06
1313	U14417	Human Ral guanine nucleotide dissociation stimulator mRNA, partial cds.	4e-07	544402	GUANINE NUCLEOTIDE DISSOCIATION STIMULATOR RALGDS FORM A (RALGEF) >gi 321257 pir S28415 guanine nucleotide dissociation stimulator ralGDS - mouse >gi 193573 (L07924) guanine nucleotide dissociation stimulator [Mus musculus]	8e-08
1314	Z79027	H.sapiens flow-sorted chromosome 6 HindIII fragment, SC6pA20G8	3e-07	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens				
1315	U67167	intestinal mucin (MUC2) gene, promoter region and partial cds	3e-07	<NONE>	<NONE>	<NONE>
1316	AF086256	Homo sapiens full length insert cDNA clone ZD41C11	3e-07	<NONE>	<NONE>	<NONE>
1317	U67228	Human clone HS4.61 Alu-Ya5 sequence	3e-07	1938437	(U97003) contains similarity to C4-type zinc fingers and a ligand-binding domain of nuclear hormone receptors	2.3
1318	U94346	Human calpain-like protease (htra-3) mRNA, complete cds	3e-07	2911858	(AF047659) No definition line found [Caenorhabditis elegans]	0.39
1319	Y15724	Homo sapiens SERCA3 gene, exons 1-7 (and joined CDS)	1e-07	<NONE>	<NONE>	<NONE>
1320	X13596	Bean DNA for glycine-rich cell wall protein GRP 1.8	1e-07	<NONE>	<NONE>	<NONE>
1321	M83094	Homo sapiens cytosolic selenium-dependent glutathione peroxidase gene, complete cds, and rhoh12 gene, 3' end.	1e-07	1326385	(U58751) C07G1.7 gene product [Caenorhabditis elegans]	8.0
1322	Z55905	H.sapiens CpG DNA, clone 71f4, forward read cpg71f4.ft1a .	1e-07	1076802	extensin-like protein - maize >gi 600118 mays]	0.61
1323	X03541	Human mRNA of trk oncogene > :: gb I96186 I96186 Sequence 23 from patent US 5734039	1e-07	325465	(M74509) [Human endogenous retrovirus type C oncovirus sequence.], gene product [Homo sapiens]	3e-04
1324	AF027766	Canis familiaris Y-linked zinc finger protein	1e-07	220643	(D10628) zinc finger protein [Mus musculus]	7e-08
1325	D13613	Bovine mRNA for rabphilin-3A, complete cds > :: dbj E07809 E07809 cDNA encoding rabphilin-3A	1e-07	2822161	(AC004082) rab3 effector-like; 35% Similarity to AF007836 (PID:g2317778) [Homo sapiens]	6e-11

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human mRNA for c-			(J04169) gag-onc fusion protein	
1326	X57110	cbl proto-oncogene	1e-07	323270	[Cas NS1 retrovirus]	3e-14
1327	X57110	Human mRNA for c-	1e-07	115855	PROTO-ONCOGENE C-CBL human >gi 29731 (X57110) c-	4e-19
		cbl proto-oncogene			cbl protein [Homo sapiens]	
1328	AC001178	Homo sapiens (subclone 2_g12 from BAC H94) DNA sequence	4e-08	<NONE>	<NONE>	<NONE>
1329	U11866	Human interleukin-8 receptor type B (IL8RB) gene, promoter and exons 1-6	4e-08	<NONE>	<NONE>	<NONE>
1330	AC001225	Homo sapiens (subclone 2_e6 from BAC H94) DNA sequence	4e-08	478184	histone H1 II-1 (clone L95) - midge	6.5
1331	M73837	Human modulator recognition factor 2 (MRF-2) mRNA, complete cds.	4e-08	141448	HYPOTHETICAL 32.6 KD PROTEIN IN TRANSPOSON TN4556 >gi 80758 pir JQ0428 hypothetical 32.6K protein - Streptomyces fradiae transposon Tn4556	4.7
1332	AC006164	Homo sapiens clone UWGC:y28gap from 6p21, complete sequence [Homo sapiens]	4e-08	2580578	(AF000996) ubiquitous TPR motif, Y isoform [Homo sapiens]	1.2
1333	X01060	Human mRNA for transferrin receptor	4e-08	135514	T-CELL RECEPTOR BETA CHAIN PRECURSOR precursor (ANA 11) - rabbit	0.61
1334	Y10697	H.sapiens INE2 mRNA	4e-08	124909	INSULIN RECEPTOR-RELATED PROTEIN PRECURSOR (IRR) (IR-RELATED RECEPTOR) >gi 186555 sapiens]	0.14
1335	U60416	Rattus norvegicus myr 6 myosin heavy chain mRNA, complete cds	4e-08	102189	myosin I, high molecular weight - Acanthamoeba sp	3e-08

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					HYPOTHETICAL 55.2 KD	
1336	U23804	Drosophila melanogaster putative GTP-binding regulatory protein beta chain (GPB) mRNA, partial cds.	4e-08	2494916	TRP-ASP REPEATS CONTAINING PROTEIN T10F2.4 IN CHROMOSOME III protein; similar to G-Beta repeat region (Trp-Asp domains) of guanine nucleotide binding protein	1e-28
1337	AE000213	Escherichia coli K-12 MG1655 section 103 of 400 of the complete genome	4e-08	3294172	(AL022325) fF27C3.1.1 (protein similar to C. elegans protein B0035.16) (isoform 1) [Homo sapiens]	2e-67
1338	D89821	Mus musculus mRNA for RhoM, complete cds	2e-08	3024539	RHO-RELATED GTP-BINDING PROTEIN RHOD (RHO-RELATED PROTEIN HP1) (RHOHP1) sapiens]	1e-04
1339	U74382	Human telomeric repeat DNA-binding protein (PIN2) mRNA, complete cds	1e-08	<NONE>	<NONE>	<NONE>
1340	L35657	Homo sapiens (subclone H8 5_a10 from P1 35 H5 C8) DNA sequence.	1e-08	<NONE>	<NONE>	<NONE>
1341	L21936	Human succinate dehydrogenase flavoprotein subunit	1e-08	3201678	(AF060886) adenine phosphoribosyltransferase [Leishmania tarentolae]	4.0
1342	AB009777	Homo sapiens gene for osteonidogen, promoter region	1e-08	479388	tritin - wheat >gi 391929 gnl PID d1003454	2.2
1343	M58600	Human heparin cofactor II (HCF2) gene, exons 1 through 5.	1e-08	1730173	GLUCOSE-6-PHOSPHATE ISOMERASE, CYTOSOLIC 2 (GPI) (PHOSPHOGLUCOSE ISOMERASE) (PGI) isomerase [Clarkia concinna]	1.9
1344	M58600	Human heparin cofactor II (HCF2) gene, exons 1 through 5.	1e-08	1730173	GLUCOSE-6-PHOSPHATE ISOMERASE, CYTOSOLIC 2 (GPI) (PHOSPHOGLUCOSE ISOMERASE) (PGI) isomerase [Clarkia concinna]	1.7
1345	AC000980	Homo sapiens (subclone 1_g2 from P1 H31) DNA sequence	1e-08	439877	(L27428) reverse transcriptase [Homo sapiens]	1.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1346	U48734	Human non-muscle alpha-actinin mRNA, complete cds	1e-08	168237	(M76546) hydroxyproline-rich protein [<i>Helianthus annuus</i>]	0.19
1347	M76724	Human leukocyte adhesion receptor alpha subunit	1e-08	1177607	(X92485) pva1 [<i>Plasmodium vivax</i>]	0.19
1348	AF067959	Gallus gallus homeodomain protein HOXD-3 mRNA, complete cds	1e-08	3165574	(AF067942) No definition line found [<i>Caenorhabditis elegans</i>]	0.15
1349	Z81014	Human DNA sequence from cosmid U65A4, between markers DXS366 and DXS87 on chromosome X *	1e-08	2072964	(U93569) putative p150 [<i>Homo sapiens</i>]	0.001
1350	X57103	Human h-lys gene for lysozyme (upstream region)	7e-09	<NONE>	<NONE>	<NONE>
1351	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	7e-09	231629	BILE-SALT-ACTIVATED LIPASE PRECURSOR (ESTER LIPASE) (STEROL ESTERASE) (CHOLESTEROL ESTERASE) salt-activated lipase [<i>Homo sapiens</i>] sapiens]	0.22
1352	L34741	Aplysia californica prohormone convertase (PC2) mRNA, complete cds.	5e-09	322054	cytochrome-c oxidase (EC 1.9.3.1) chain II precursor - <i>Synechocystis</i> sp. (PCC 6803) >gi 581739 sp.]	5.0
1353	AF052959	Homo sapiens type XV collagen (COL15A1) gene, exon 6	4e-09	131269	PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi 72708 pir QJLV6A photosystem II chlorophyll a-binding protein psbB - liverwort (<i>Marchantia polymorpha</i>) chloroplast >gi 11700	1.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1354	L15470	Streptomyces clavuligerus (NRRL 3585) clavulanic acid biosynthesis protein (cla) gene, complete cds and clavamate synthase 2 (cs2) gene, partial cds.	4e-09	586028	POSSIBLE AGMATINASE (AGMATINE UREOHYDROLASE) (AUH) (PROCLAVAMINIC ACID AMIDINO HYDROLASE) >gi 1361423 pir S57669 Proclavaminic acid amidino hydrolase - Streptomyces clavuligerus >gi 295171 Proclavaminic acid amidino hydrolase [Streptomyces clavuligerus] >gi 1586122 prf 2203286B proclavaminic acid amidino hydrolase [Streptomyces clavuligerus]	4e-13
1355	AB002302	Human mRNA for KIAA0304 gene, complete cds	2e-09	131600	GENERAL SECRETION PATHWAY PROTEIN L product [Klebsiella pneumoniae] >gi 149311 (M32613) pull	2.5
1356	L34219	Homo sapiens retinaldehyde-binding protein (CRALBP) gene, complete cds.	1e-09	<NONE>	<NONE>	<NONE>
1357	AB002302	Human mRNA for KIAA0304 gene, complete cds	1e-09	2224549	(AB002302) KIAA0304 [Homo sapiens]	5.0
1358	D85731	Homo sapiens HSPA1L gene for Heat shock protein 70 testis variant, 5'UTR, partial sequence	1e-09	1389766	(U58658) unknown [Homo sapiens]	1.3
1359	AF064483	Homo sapiens natural resistance-associated macrophage protein 2 (NRAMP2) gene, exon 17, alternatively spliced non-IRE form, complete cds	8e-10	113671	!!!! ALU CLASS F WARNING ENTRY !!!!	0.72

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1360	AF002283	Mus musculus alpha-actinin-2 associated LIM protein mRNA, alternatively spliced product, complete cds	6e-10	2996196	(AF053367) carboxyl terminal LIM domain protein [Mus musculus]	4e-21
1361	M26220	African green monkey origin of replication	5e-10	2143455	gene DMR-N9 protein - mouse (fragment)	8.8
1362	Z78006	H.sapiens flow-sorted chromosome 6 HindIII fragment, SC6pA7F10	4e-10	2072977	(U93574) putative p150 [Homo sapiens]	0.005
1363	U82303	Homo sapiens unknown protein mRNA, partial cds	2e-10	1825711	(U88183) similar to the immunoglobulin superfamily, most similar to neural cell adhesion proteins [Caenorhabditis elegans]	0.031
1364	AF079764	Drosophila melanogaster enhancer of polycomb	2e-10	3757890	(AF079764) enhancer of polycomb [Drosophila melanogaster]	1e-10
1365	L24123	Homo sapiens NRF1 protein (NRF1) mRNA.	2e-10	3004573	(AC004520) similar to NFE2-related transcription factors; similar to I48694 (PID:g2137676) [Homo sapiens]	4e-53
1366	M91454	Orangutan alpha-globin gene duplicate region.	1e-10	464239	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4 >gi 1085185 pir S52968 NADH dehydrogenase chain 4 - honeybee mitochondrion (SGC4) >gi 552446 (L06178) NADH dehydrogenase subunit 4 [Apis mellifera ligustica]	6.0
1367	D87117	House mouse; Musculus domesticus brain mRNA for SAP102, complete cds	6e-11	473912	(L31961) phosphoprotein [Mus cookii]	2.2
1368	AC001002	Homo sapiens (subclone 2_h9 from P1 H39) DNA sequence	5e-11	<NONE>	<NONE>	<NONE>

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens				
1369	AC001002	(subclone 2_h9 from P1 H39) DNA sequence	5e-11	<NONE>	<NONE>	<NONE>
1370	AB007874	Homo sapiens KIAA0414 mRNA, partial cds	5e-11	<NONE>	<NONE>	<NONE>
1371	AC001002	Homo sapiens (subclone 2_h9 from P1 H39) DNA sequence	5e-11	<NONE>	<NONE>	<NONE>
1372	AC001002	Homo sapiens (subclone 2_h9 from P1 H39) DNA sequence	5e-11	<NONE>	<NONE>	<NONE>
1373	AC001002	Homo sapiens (subclone 2_h9 from P1 H39) DNA sequence	5e-11	<NONE>	<NONE>	<NONE>
1374	AC001002	Homo sapiens (subclone 2_h9 from P1 H39) DNA sequence	5e-11	<NONE>	<NONE>	<NONE>
1375	Z21852	H.sapiens mRNA for HERV-K long terminal repeat	5e-11	419481	gag polyprotein - human endogenous virus S71	4.6
1376	AB007928	Homo sapiens mRNA for KIAA0459 protein, partial cds	5e-11	2947238	(AF051782) diaphanous 1 [Homo sapiens]	2.8
1377	D87117	House mouse; Musculus domesticus brain mRNA for SAP102, complete cds	5e-11	473912	(L31961) phosphoprotein [Mus cookii]	1.8
1378	AJ131501	Homo Sapiens DNA sequence between two AML1 gene promoters, 6423 BP	5e-11	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.20
1379	M27826	Human endogenous retroviral protease mRNA, complete cds.	5e-11	88558	retroviral proteinase-like protein - human	0.002

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					HYPOTHETICAL 55.2 KD	
1380	U23804	Drosophila melanogaster putative GTP-binding regulatory protein beta chain (GPB) mRNA, partial cds.	5e-11	2494916	TRP-ASP REPEATS CONTAINING PROTEIN T10F2.4 IN CHROMOSOME III protein; similar to G-Beta repeat region (Trp-Asp domains) of guanine nucleotide binding protein	1e-30
1381	Z22784	M.musculus troponin I gene.	3e-11	3892202	(AF072889) transcription repressor brain factor 2	0.053
1382	AB007880	Homo sapiens KIAA0420 mRNA, complete cds	2e-11	<NONE>	<NONE>	<NONE>
1383	AF020361	9 Homo sapiens BAX gene, exon 6, partial sequence	2e-11	<NONE>	<NONE>	<NONE>
1384	L35600	Homo sapiens DNA sequence.	2e-11	1174952	GLYCOPROTEIN D PRECURSOR gD [Bovine herpesvirus 1]	0.25
1385	U21943	Human organic anion transporting polypeptide	2e-11	2738223	(U95011) brain-specific organic anion transporter	9e-19
1386	U90878	Homo sapiens carboxyl terminal LIM domain protein	2e-11	2996196	(AF053367) carboxyl terminal LIM domain protein [Mus musculus]	4e-23
1387	U31929	Human orphan nuclear receptor (DAX1) gene, complete cds	6e-12	<NONE>	<NONE>	<NONE>
1388	M25828	Human von Willebrand factor gene, exon 1, 2, and 3, and three Alu repetitive elements.	6e-12	<NONE>	<NONE>	<NONE>
1389	AB020648	Homo sapiens mRNA for KIAA0841 protein, partial cds	3e-12	<NONE>	<NONE>	<NONE>
1390	Z15026	H.sapiens genes for tumor necrosis factor (Tnfa) and lymphotoxine (Tnfb)	2e-12	<NONE>	<NONE>	<NONE>
1391	L28101	Homo sapiens kallistatin (PI4) gene, exons 1-4, complete cds	2e-12	<NONE>	<NONE>	<NONE>
1392	Z47046	Human cosmid QLL2C9 from Xq28	2e-12	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		H.sapiens flow-sorted chromosome 6 HindIII fragment, SC6pA20E2	2e-12	106322	hypothetical protein (L1H 3' region) - human	1.5
1393	Z79007					
1394	U34377	Human tyrosine kinase TXK (txk) gene, exon 13.	1e-12	151484	(M55524) ORF 4; putative [Pseudomonas aeruginosa]	4.3
1395	D70845	Mus musculus apg-1 gene for novel member of heat shock protein 110, promoter region	1e-12	113658	ALKALINE PROTEINASE PRECURSOR (ALP) precursor - fungus (Acremonium chrysogenum)	3.5
1396	M63978	Human vascular endothelial growth factor gene, exon 8.	1e-12	3982737	(AF069731) calmodulin-dependent protein kinase II beta M isoform [Rattus norvegicus]	0.083
1397	U60266	Homo sapiens lysosomal alpha-mannosidase (manB) mRNA, complete cds	8e-13	<NONE>	<NONE>	<NONE>
1398	Z68297	Caenorhabditis elegans cosmid F11A10, complete sequence [Caenorhabditis elegans]	7e-13	2393734	(AC002542) similar to C. elegans F11A10.5; 80% similarity to Z68297 (PID:g1130619) [Homo sapiens]	5e-34
1399	Z68297	Caenorhabditis elegans cosmid F11A10, complete sequence [Caenorhabditis elegans]	7e-13	2393734	(AC002542) similar to C. elegans F11A10.5; 80% similarity to Z68297 (PID:g1130619) [Homo sapiens]	3e-38
1400	Z68885	Human DNA sequence from cosmid L21F12B, Huntington's Disease Region, chromosome 4p16.3, contains EST.	6e-13	<NONE>	<NONE>	<NONE>
1401	X76104	H.sapiens DAP-kinase mRNA	6e-13	2911154	(AB007143) ZIP-kinase [Mus musculus]	0.007
1402	Z78668	H.sapiens flow-sorted chromosome 6 TaqI fragment, SC6pA13G4	5e-13	106322	hypothetical protein (L1H 3' region) - human	2e-06
1403	L35600	Homo sapiens DNA sequence.	3e-13	3184290	(AC004136) hypothetical protein [Arabidopsis thaliana]	1.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Cloning vector				
1404	AF090452	pKODT complete sequence	2e-13	3876730	(Z49966) F35C11.4 [Caenorhabditis elegans]	7.8
1405	D28126	Human gene for ATP synthase alpha subunit, complete cds (exon 1 to 12)	2e-13	419481	gag polyprotein - human endogenous virus S71	3.4
1406	AF005219	Homo sapiens transcription factor HOXD13	2e-13	2822166	(AC004080) transcription factor HOXA13 [Homo sapiens]	5e-09
1407	AB018301	Homo sapiens mRNA for KIAA0758 protein, partial cds	2e-13	3882237	(AB018301) KIAA0758 protein [Homo sapiens]	1e-23
1408	D70845	Mus musculus apg-1 gene for novel member of heat shock protein 110, promoter region	1e-13	113658	ALKALINE PROTEINASE PRECURSOR (ALP) precursor - fungus (Acremonium chrysogenum)	3.1
1409	AG000691	Homo sapiens genomic DNA, 21q region, clone: T171BG33	8e-14	930045	(X15332) alpha-1 (III) collagen [Homo sapiens]	3e-04
1410	D30785	Mouse mRNA for neuropsin, complete cds	8e-14	3559978	(AJ005641) serine protease [Rattus rattus]	2e-12
1411	U32710	Haemophilus influenzae Rd section 25 of 163 of the complete genome	8e-14	4106673	(AL035064) queuine trna-ribosyltransferase [Schizosaccharomyces pombe]	2e-38
1412	AG000886	Homo sapiens genomic DNA, 21q region, clone: 64E11X19	7e-14	1363925	hypothetical protein 2 - North American opossum (fragment) >gi 897721 (Z48955) ORF-2, putative RT [Didelphis virginiana]	1.1
1413	Z62664	H.sapiens CpG DNA, clone 71d11, forward read cpg71d11.ft1a .	7e-14	3953461	(AC002328) F20N2.6 [Arabidopsis thaliana]	0.085
1414	AB014532	Homo sapiens mRNA for KIAA0632 protein, partial cds	7e-14	113668	!!!! ALU CLASS C WARNING ENTRY !!!!	0.040

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1415	Z96478	H.sapiens telomeric DNA sequence, clone 20PTELO04, read 20PTELOO004.seq	7e-14	2981631	(AB012223) ORF2 [Canis familiaris]	2e-04
1416	AF100694	Mus musculus Pontin52 mRNA, complete cds	4e-14	<NONE>	<NONE>	<NONE>
1417	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	4e-14	<NONE>	<NONE>	<NONE>
1418	AF033349	Homo sapiens MLL gene breakpoint cluster region, intron 1, partial sequence	3e-14	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	9.3
1419	AC001526	Homo sapiens (subclone 4_f6 from P1 H54) DNA sequence	3e-14	99861	extensin - almond >gi 20420 (X65718) extensin	9.2
1420	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	3e-14	728832	!!!! ALU SUBFAMILY SB WARNING ENTRY	0.15
1421	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-14	3913573	EPHRIN-A2 PRECURSOR (EPH-RELATED RECEPTOR TYROSINE KINASE LIGAND 6) (LERK-6) sapiens] >gi 2924761 (AC004258) EPL6_HUMAN [Homo sapiens]	8.7
1422	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	9e-15	119040	ETB PROTEIN, SMALL T-ANTIGEN (E1B 19K) >gi 74142 pir Q1AD25 early E1B 21K protein II - human adenovirus 5 >gi 58489 (X02996) mRNA 5 first reading frame [Human adenovirus type 5] adenovirus type 5] >gi 209797 (J01969) 21 kD protein	1.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					transcription factor GATA-4,	
1423	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	8e-15	477102	retinoic acid-inducible - mouse >gi 293345 (M98339) GATA-binding transcription factor [Mus musculus]	0.57
1424	AB012223	Canis familiaris LINE 1 element ORF2 mRNA, complete cds	8e-15	92385	hypothetical protein - rat (fragment)	0.003
1425	AF100694	Mus musculus Pontin52 mRNA, complete cds	3e-15	<NONE>	<NONE>	<NONE>
1426	X12433	Human pHS1-2 mRNA with ORF homologous to membrane receptor proteins	3e-15	422532	collagen alpha 3(IV) chain - sea urchin	8.9
1427	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	3e-15	1353143	PROBABLE NUCLEAR HORMONE RECEPTOR E02H1.7 >gi 3875431 gnl PID e1344980 (Z47075) similar to Zinc finger, C4 type (two domains) [Caenorhabditis elegans]	5.0
1428	Z69651	Human DNA sequence from cosmid L75B9, Huntington's Disease Region, chromosome 4p16.3	3e-15	403460	(L24521) transformation-related protein [Homo sapiens]	0.60
1429	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	2e-15	108750	Ig heavy chain precursor (B/MT.4A.17.H5.A5) - bovine >gi 440 (X62916) anti-testosterone antibody [Bos taurus]	1.1
1430	X83299	H.sapiens SMA3 mRNA	2e-15	671530	(X83299) SMA3 gene product [Homo sapiens]	0.32
1431	U01877	Human p300 protein mRNA, complete cds. > :: gb I62297 I62297 Sequence 1 from patent US 5658784	2e-15	3024341	E1A-ASSOCIATED PROTEIN P300	0.019

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					HYPOTHETICAL 45.1 KD	
1432	X16516	Mouse MHC (Qa) Q2k gene for class I antigen, exons 4-8	1e-15	2496897	PROTEIN CT6C10.6 IN CHROMOSOME III >gi 3874384 gnl PID e1344078 EST EMBL:C08256 comes from this gene; cDNA EST EMBL:C09941 comes from this gene; cDNA EST yk340a10.3 comes from this gene; cDNA EST yk340a10.5 comes from this gene [Ca...	7e-08
1433	M74165	Chicken tensin mRNA, complete cds.	1e-15	283920	tensin - chicken >gi 212752 (M74165) tensin	2e-19
1434	X71893	H.sapiens gene for immunoglobulin kappa light chain variable region O4 and O5	9e-16	<NONE>	<NONE>	<NONE>
1435	U05227	Human Rar protein mRNA, complete cds.	9e-16	3036779	(Z84479) match: multiple proteins; match: O00407 Q12829 P22127 P36861 Q40219; match: P70550 Q41022 P22125 Q08155 P35286; match: P51148 P51147 P35293 P36861 P35289; match: P35284 Q40217 P51152 P51157 P51158; match: Q41022	3e-06
1436	M23404	Chicken erythrocyte anion transport protein (band3) mRNA, complete cds.	9e-16	726403	(U23175) similar to anion exchange protein [Caenorhabditis elegans]	1e-28
1437	X16145	Rat mRNA for liver alpha-L-Fucosidase (EC 3.2.1.51)	9e-16	67502	alpha-L-fucosidase (EC 3.2.1.51) 1 precursor, tissue - human >gi 178409 (M29877) alpha-L-fucosidase precursor (EC 3.2.1.5) [Homo sapiens]	2e-29
1438	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	8e-16	<NONE>	<NONE>	<NONE>
1439	AF076981	Mus musculus brain mitochondrial carrier protein BMCP1 (Bmcp1) mRNA, complete cds	8e-16	3851540	(AF078544) brain mitochondrial carrier protein-1 [Homo sapiens]	2e-13

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		H.sapiens MN/CA9			!!!! ALU SUBFAMILY J	
1440	Z54349	GENE	5e-16	728831	WARNING ENTRY	0.002
1441	AF077003	Mus musculus SH3 domain-containing adapter protein mRNA, complete cds	3e-16	309123	(M35526) complement component C5D [Mus musculus]	3.1
1442	X64587	M.musculus mRNA for splicing factor U2AF (65 kD)	3e-16	2143767	glycoprotein - rat >gi 986943 (L08134) glycoprotein [Rattus norvegicus] norvegicus]	0.003
1443	AB014561	Homo sapiens mRNA for KIAA0661 protein, complete cds	3e-16	3327136	(AB014561) KIAA0661 protein [Homo sapiens]	1e-20
1444	Z73987	Human DNA sequence from cosmid N120B6 on chromosome 22 Contains ESTs, complete sequence [Homo sapiens]	1e-16	<NONE>	<NONE>	<NONE>
1445	M58318	Homo sapiens ala gene.	1e-16	<NONE>	<NONE>	<NONE>
1446	U44103	Human small GTP binding protein Rab9 mRNA, complete cds	1e-16	1552584	(Z80233) hypothetical protein Rv0029	1.3
1447	AB014561	Homo sapiens mRNA for KIAA0661 protein, complete cds	9e-17	3327136	(AB014561) KIAA0661 protein [Homo sapiens]	2e-20
1448	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-17	<NONE>	<NONE>	<NONE>
1449	M76762	Mus musculus ribosomal protein (Ke3) gene, exons 1 to 5, and complete cds.	1e-17	1073048	pupR protein - Pseudomonas putida >gi 525260	0.36
1450	D50561	Human DNA, replication enhancing element (REE1)	4e-18	126295	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	0.78
1451	D16431	Human mRNA for hepatoma-derived growth factor, complete cds	4e-18	3242079	(AJ006984) proline-rich protein	0.018

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1452	AF088983	Mus musculus heat shock protein hsp40-3 mRNA, complete cds	4e-18	3873707	(Z73102) Similarity to B.subtilis DNAJ protein (SW:DNAJ_BACSU); cDNA EST yk437a1.5 comes from this gene [Caenorhabditis elegans]	9e-25
1453	U60205	Human methyl sterol oxidase (ERG25) mRNA, complete cds	3e-18	<NONE>	<NONE>	<NONE>
1454	AF038177	Homo sapiens clone 23899 mRNA sequence	1e-18	1360775	G protein-coupled receptor 74 - equine herpesvirus 2 >gi 695246 (U20824) G protein-coupled receptor [Equine herpesvirus 2]	5.1
1455	AB014561	Homo sapiens mRNA for KIAA0661 protein, complete cds	1e-18	3327136	(AB014561) KIAA0661 protein [Homo sapiens]	1e-21
1456	AB014561	Homo sapiens mRNA for KIAA0661 protein, complete cds	1e-18	3327136	(AB014561) KIAA0661 protein [Homo sapiens]	1e-22
1457	U34374	Human tyrosine kinase TXK (txk) gene, exons 9 and 10.	1e-19	<NONE>	<NONE>	<NONE>
1458	AB006969	Homo sapiens hGAA1 mRNA, complete cds	1e-19	4151809	(AF102855) synaptic SAPAP-interacting protein Synamon	0.19
1459	AB002293	Human mRNA for KIAA0295 gene, partial cds	1e-19	2224531	(AB002293) KIAA0295 [Homo sapiens]	6e-17
1460	Z59664	H.sapiens CpG DNA, clone 168f9, reverse read cpg168f9.rt1a .	5e-20	3880251	(Z82055) predicted using Genefinder	6.5
1461	M73837	Human modulator recognition factor 2 (MRF-2) mRNA, complete cds.	5e-20	284313	modulator recognition factor 2 - human factor 2 [Homo sapiens]	0.019

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1462	U24267	Human pyrroline-5-carboxylate dehydrogenase	5e-20	2506350	DELTA-1-PYRROLINE-5-CARBOXYLATE DEHYDROGENASE PRECURSOR (P5C DEHYDROGENASE) >gi 1353248 sapiens] >gi 1353250 (U24267) pyrroline 5-carboxylate dehydrogenase [Homo sapiens] >gi 1589585 prf 2211355A Delta1-pyrroline-5-carboxylate dehydrogenase [Homo sapiens]	5e-04
1463	U13262	Mus musculus myelin gene expression factor	4e-20	536926	(U13262) myelin gene expression factor [Mus musculus]	3e-07
1464	U13262	Mus musculus myelin gene expression factor	4e-20	3126878	(AF061832) M4 protein deletion mutant [Homo sapiens]	1e-08
1465	Z61239	H.sapiens CpG DNA, clone 48f10, forward read cpg48f10.ft1a .	4e-20	1669601	(D88747) AR401 [Arabidopsis thaliana]	8e-19
1466	U89915	Mus musculus junctional adhesion molecule (Jam) mRNA, complete cds	1e-20	3462455	(U89915) junctional adhesion molecule [Mus musculus]	7e-11
1467	AF029071	Gallus gallus p52 pro-apototic protein mRNA, complete cds	7e-22	2599492	(AF029071) p52 pro-apototic protein [Gallus gallus]	1e-15
1468	M25636	Figure 4. Nucleotide sequence of the pKS36 1.797 kb insert.	6e-22	1196398	(M21305) unknown protein [Homo sapiens]	0.65
1469	AB020655	Homo sapiens mRNA for KIAA0848 protein, complete cds	6e-22	4240325	(AB020725) KIAA0918 protein [Homo sapiens]	1e-19

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					PROCOLLAGEN ALPHA	
1470	S80935	chorionic gonadotropin beta 1 (CG beta 1) subunit	5e-22	115310	I(IV) CHAIN PRECURSOR >gi 84917 pir A31893 collagen alpha 1(IV) chain precursor - fruit fly (Drosophila melanogaster) melanogaster] >gi 157078 (M96575) type IV collagen pro-collagen [Drosophila melanogaster]	0.027
1471	AF053066	Homo sapiens microsatellite D5S2926 sequence	2e-22	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	3e-04
1472	U55177	Danio rerio carbonic anhydrase homolog CAH-Z mRNA, complete cds	2e-22	3123190	CARBONIC ANHYDRASE (CARBONATE DEHYDRATASE) >gi 2576335 (U55177) CAH-Z [Danio rerio]	5e-14
1473	AF064250	Gallus gallus ubiquitin specific protease 66	2e-22	2736064	(AF016107) ubiquitin specific protease 41 [Gallus gallus]	7e-37
1474	AF030880	Homo sapiens pendrin (PDS) mRNA, complete cds	2e-22	729367	DRA PROTEIN (DOWN-REGULATED IN ADENOMA) >gi 2135020 pir A47456 down-regulated in adenoma (DRA) - human >gi 291964 (L02785) Nuclear localization signal at AA 569-573, 576-580, 579-583; acidic transcr. activ. domain 620-640.; homeobox motif 653-676 [Homo sapiens]	4e-53
1475	AF100694	Mus musculus Pontin52 mRNA, complete cds	6e-23	<NONE>	<NONE>	<NONE>
1476	X57398	Human mRNA for pM5 protein	3e-23	107350	Pm5 protein - human >gi 1335273 gnl PID e36241	1e-04
1477	AB010998	Rattus norvegicus PAD-R11 mRNA for Peptidylarginine deiminase type I, complete cds	2e-23	<NONE>	<NONE>	<NONE>
1478	D10871	Human h NAT allele 2-2 gene for arylamine N-acetyltransferase	2e-23	171200	(J04734) CDC6 protein [Saccharomyces cerevisiae]	9.8
1479	D10871	Human h NAT allele 2-2 gene for arylamine N-acetyltransferase	2e-23	171200	(J04734) CDC6 protein [Saccharomyces cerevisiae]	8.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens MLL-				
1480	AF024541	AF4 fusion protein mRNA, partial cds	2e-23	2136142	serine/proline-rich FEL protein, splice form 1 - human	1e-20
1481	L13773	Human AF-4 mRNA, complete cds.	2e-23	3063962	(AF031404) MLL-AF4 fusion protein [Homo sapiens]	1e-20
1482	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-24	<NONE>	<NONE>	<NONE>
1483	U75467	Drosophila melanogaster Rga and Atu genes, complete cds	8e-24	1658503	(U75467) Atu [Drosophila melanogaster]	2e-37
1484	D17076	Human HepG2 partial cDNA, clone hmd5a09m5	7e-24	<NONE>	<NONE>	<NONE>
1485	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-24	1169643	FMRFAMIDE-RELATED NEUROPEPTIDES PRECURSOR >gi 416208 (U03137) neuropeptide precursor FMRFamide-related peptide [Lymnaea stagnalis]	7e-10
1486	M11167	Human 28S ribosomal RNA gene.	2e-24	3875481	(Z81054) predicted using Genefinder; Similarity to UDP-glucuronosyltransferases	5.1
1487	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-24	549173	USP1 PROTEIN PRECURSOR >gi 169623	1.2
1488	AB003468	Cloning vector pAP3neo DNA, complete sequence	2e-24	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.058
1489	X03541	Human mRNA of trk oncogene > :: gb I96186 I96186 Sequence 23 from patent US 5734039	2e-24	325465	(M74509) [Human endogenous retrovirus type C oncovirus sequence.], gene product [Homo sapiens]	3e-04
1490	L81652	Homo sapiens (subclone 2_g11 from P1 H43) DNA sequence	2e-24	225047	reverse transcriptase related protein [Homo sapiens]	4e-12
1491	U95760	Drosophila melanogaster strawberry notch (sno) mRNA, complete cds	2e-24	2078282	(U95760) Sno [Drosophila melanogaster]	2e-41
1492	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-25	2623773	(AF004835) tyrocidine synthetase 3 [Brevibacillus brevis]	8.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1493	AB002405	Homo sapiens mRNA for LAK-4p, complete cds	8e-25	2496822	HYPOTHETICAL 127.3 KD PROTEIN B0416.1 IN CHROMOSOME X >gi 746502 (U23516) B0416.1 gene product [Caenorhabditis elegans]	9e-11
1494	K03002	Human mRNA from chromosome 15 gene with homology to MHC-HLA-SB-1 intron A.	8e-25	1514614	(X92842) nuclear protein [Mus musculus]	1e-13
1495	U61232	Human tubulin-folding cofactor E mRNA, complete cds	7e-25	1465772	(U61232) cofactor E [Homo sapiens]	2e-05
1496	U10245	Arabidopsis thaliana Col-O putative RNA helicase A mRNA, complete cds.	5e-25	1353239	(U10245) putative RNA helicase A [Arabidopsis thaliana]	1e-37
1497	X89211	H.sapiens DNA for endogenous retroviral like element	3e-25	2065210	(Y12713) Pro-Pol-dUTPase polyprotein	5e-06
1498	L81652	Homo sapiens (subclone 2_g11 from P1 H43) DNA sequence	3e-25	2072961	(U93568) putative p150 [Homo sapiens]	5e-16
1499	X82895	H.sapiens mRNA for DLG2	2e-25	2497511	MAGUK P55 SUBFAMILY MEMBER 2 (MPP2 PROTEIN) (DISCS, LARGE HOMOLOG 2)	1e-34
1500	M36654	Mouse homeo box 2.6 (Hox-2.6) mRNA, complete cds.	9e-26	3323169	(AE001255) T. pallidum predicted coding region TP0854	1.9
1501	L36315	Mus musculus (clone pMLZ-1) zinc finger protein	9e-26	1806134	(Z67747) zinc finger protein [Mus musculus]	4e-05
1502	AB018281	Homo sapiens mRNA for KIAA0738 protein, complete cds	9e-26	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	1e-07
1503	AF017433	Homo sapiens putative transcription factor CR53	9e-26	3219985	ZINC FINGER PROTEIN ZFP-29	1e-17

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens				
1504	AC001225	(subclone 2_e6 from BAC H94) DNA sequence	8e-26	2653713	(U91823) small S protein [Hepatitis B virus]	4.3
1505	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-26	283446	cyteine-rich surface antigen 72, CRP72 - Giardia lamblia (fragment)	3.4
1506	X94912	H.sapiens Pr22 gene	3e-26	728837	!!!! ALU SUBFAMILY SQ WARNING ENTRY	4e-09
1507	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-26	<NONE>	<NONE>	<NONE>
1508	U44103	Human small GTP binding protein Rab9 mRNA, complete cds	1e-26	3327038	(AB014512) KIAA0612 protein [Homo sapiens]	8.7
1509	AF100694	Mus musculus Pontin52 mRNA, complete cds	9e-27	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	0.14
1510	AG001212	Homo sapiens genomic DNA, 21q region, clone: 9H11N46	9e-27	126296	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG protein [Nycticebus coucang]	0.012
1511	AF027131	Mus musculus mucin glycoprotein MUC3 mRNA, partial cds	9e-27	2589172	(U76551) mucin Muc3 [Rattus norvegicus]	2e-14
1512	U49057	Rattus norvegicus CTD-binding SR-like protein rA9 mRNA, complete cds	5e-27	1438534	(U49057) rA9 [Rattus norvegicus]	1e-04
1513	J03764	Human, plasminogen activator inhibitor-1 gene, exons 2 to 9.	3e-27	<NONE>	<NONE>	<NONE>
1514	Z78160	M.musculus partial cochlear mRNA (clone 28D2)	3e-27	1490362	(Z78160) unknown [Mus musculus]	2e-05
1515	Z64210	H.sapiens CpG DNA, clone 99b4, reverse read cpg99b4.rtl.a.	3e-27	2257538	(AB004538) LIPOIC ACID SYNTHETASE PRECURSOR(LIP-SYN) [Schizosaccharomyces pombe]	1e-06

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens				
1516	L35659	(subclone H8 6_h6 from P1 35 H5 C8) DNA sequence.	1e-27	<NONE>	<NONE>	<NONE>
1517	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-27	1644471	(U72686) odorant receptor 4 [Danio rerio]	7.5
1518	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-27	2738388	(AF003534) hypothetical protein 004L [Chilo iridescent virus]	6.7
1519	AB009271	Homo sapiens gene for BCNT, partial cds	1e-27	3880909	(AL032636) Y40B1B.3 [Caenorhabditis elegans]	4.6
1520	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-27	2133579	spermatophorin Sp23 - yellow mealworm molitor]	0.85
1521	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-27	121805	ENDOGLUCANASE A PRECURSOR	0.58
1522	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-27	3722000	(AF035323) survival motor neuron protein [Bos taurus]	0.10
1523	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-27	3328188	(AF074902) laminin alpha chain [Caenorhabditis elegans]	0.083
1524	AF074382	Homo sapiens Ikb kinase gamma subunit	1e-27	3641280	(AF074382) Ikb kinase gamma subunit [Homo sapiens]	0.041
1525	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-27	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	6e-04
1526	L78778	Homo sapiens (subclone 2_e10 from P1 H49) DNA sequence	1e-27	225047	reverse transcriptase related protein [Homo sapiens]	2e-09
1527	L03427	Human zinc finger protein basonuclin mRNA, complete cds.	1e-27	1488275	(U59694) zinc finger protein basonuclin [Homo sapiens]	9e-22
1528	U09954	Human ribosomal protein L9 gene, 5' region and complete cds.	4e-28	2257538	(AB004538) LIPOIC ACID SYNTHETASE PRECURSOR(LIP-SYN) [Schizosaccharomyces pombe]	2e-04

	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1529	Z64210	H.sapiens CpG DNA, clone 99b4, reverse read cpg99b4.rt1a .	4e-28	3878570	(Z46381) similar to lipoic acid synthase; cDNA EST yk283b6.3 comes from this gene; cDNA EST yk283b6.5 comes from this gene; cDNA EST yk472f5.3 comes from this gene; cDNA EST yk472f5.5 comes from this gene; cDNA EST yk476e7.3...	7e-11
1530	U55177	Danio rerio carbonic anhydrase homolog CAH-Z mRNA, complete cds	4e-28	3123190	CARBONIC ANHYDRASE (CARBONATE DEHYDRATASE) >gi 2576335 (U55177) CAH-Z [Danio rerio]	5e-21
1531	D43682	Human mRNA for very-long-chain acyl-CoA dehydrogenase (VLCAD), complete cds	4e-28	1351839	ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC PRECURSOR (VLCAD) >gi 930358 taurus]	3e-27
1532	AF016591	Homo sapiens survival motor neuron pseudogene, complete sequence	3e-28	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	3e-08
1533	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-28	728832	!!!! ALU SUBFAMILY SB WARNING ENTRY	2.5
1534	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-28	118588	DEHYDRIN DHN3 >gi 100035 pir S18139 dehydrin DHN3 - garden pea >gi 20709 (X63063) pea dehydrin DHN3 [Pisum sativum]	0.004
1535	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-28	1169643	FMRFAMIDE-RELATED NEUROPEPTIDES PRECURSOR >gi 416208 (U03137) neuropeptide precursor FMRFamide-related peptide [Lymnaea stagnalis]	6e-04
1536	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	9e-05

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AC005990) Contains repeated	
1537	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-28	4056454	region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	2e-06
1538	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	2e-09
1539	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	1e-09
1540	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	5e-10
1541	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	1e-11
1542	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-28	3157926	(AC002131) Strong similarity to extensin-like protein gb Z34465 from Zea mays. [Arabidopsis thaliana]	8e-12
1543	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1544	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1545	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus				
1546	AF100694	Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1547	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1548	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1549	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1550	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1551	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1552	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1553	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1554	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1555	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1556	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1557	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1558	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1559	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1560	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1561	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus				
1562	AF100694	Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1563	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1564	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1565	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1566	M87708	Human simple repeat polymorphism.	1e-28	<NONE>	<NONE>	<NONE>
1567	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1568	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	3924779	(AL008585) similar to laminin B; cDNA EST yk450d8.5 comes from this gene; cDNA EST yk249a6.5 comes from this gene; cDNA EST yk219a2.5 comes from this gene; cDNA EST yk355e4.5 comes from this gene; cDNA EST yk224f4.5 comes fr... >gi 3924881 gnl PID e1354569 from this gene; cDNA EST yk249a6.5 comes from this gene; cDNA EST yk219a2.5 comes from this gene; cDNA EST yk355e4.5 comes from this gene; cDNA EST yk224f4.5 comes from...	3.0
1569	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	1169643	FMRFAMIDE-RELATED NEUROPEPTIDES PRECURSOR >gi 416208 (U03137) neuropeptide precursor FMRFamide-related peptide [Lymnaea stagnalis]	0.66

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AF006585) similar to laminin B, cDNA EST yk450d8.5 comes from this gene; cDNA EST yk249a6.5 comes from this gene; cDNA EST yk219a2.5 comes from this gene; cDNA EST yk355e4.5 comes from this gene; cDNA EST yk224f4.5 comes fr...	
1570	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	3924779	>gi 3924881 gnl PID e1354569 from this gene; cDNA EST yk249a6.5 comes from this gene; cDNA EST yk219a2.5 comes from this gene; cDNA EST yk355e4.5 comes from this gene; cDNA EST yk224f4.5 comes from...	0.65
1571	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	2133579	spermatophorin Sp23 - yellow mealworm molitor]	0.49
1572	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	2133579	spermatophorin Sp23 - yellow mealworm molitor]	0.49
1573	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	283446	cyteine-rich surface antigen 72, CRP72 - Giardia lamblia (fragment)	0.45
1574	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	2498937	SPERMATOPHORIN SP23 PRECURSOR mealworm >gi 161725 (M92928) structural protein	0.33
1575	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	1492050	(U60315) MC107L [Molluscum contagiosum virus subtype 1]	0.18
1576	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	2133579	spermatophorin Sp23 - yellow mealworm molitor]	0.088
1577	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	118588	DEHYDRIN DHN3 >gi 100035 pir S18139 dehydrin DHN3 - garden pea >gi 20709 (X63063) pea dehydrin DHN3 [Pisum sativum]	0.018
1578	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	118588	DEHYDRIN DHN3 >gi 100035 pir S18139 dehydrin DHN3 - garden pea >gi 20709 (X63063) pea dehydrin DHN3 [Pisum sativum]	0.016

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					DEHYDRIN DHN3	
1579	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	118588	>gi 100035 pir S18139 dehydrin DHN3 - garden pea >gi 20709 (X63063) pea dehydrin DHN3 [Pisum sativum]	0.012
1580	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	0.010
1581	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	118588	DEHYDRIN DHN3 >gi 100035 pir S18139 dehydrin DHN3 - garden pea >gi 20709 (X63063) pea dehydrin DHN3 [Pisum sativum]	0.002
1582	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	1169643	FMRFAMIDE-RELATED NEUROPEPTIDES PRECURSOR >gi 416208 (U03137) neuropeptide precursor FMRFamide-related peptide [Lymnaea stagnalis]	0.002
1583	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	0.002
1584	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	118588	DEHYDRIN DHN3 >gi 100035 pir S18139 dehydrin DHN3 - garden pea >gi 20709 (X63063) pea dehydrin DHN3 [Pisum sativum]	0.002
1585	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	0.002
1586	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	118588	DEHYDRIN DHN3 >gi 100035 pir S18139 dehydrin DHN3 - garden pea >gi 20709 (X63063) pea dehydrin DHN3 [Pisum sativum]	0.001

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	
1587	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	0.001
1588	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	6e-04
1589	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	5e-04
1590	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	5e-04
1591	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	118588	DEHYDRIN DHN3 >gi 100035 pir S18139 dehydrin DHN3 - garden pea >gi 20709 (X63063) pea dehydrin DHN3 [Pisum sativum]	2e-04
1592	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	2e-04
1593	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	5e-05

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	
1594	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	5e-05
1595	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	1e-05
1596	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	1e-05
1597	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	9e-06
1598	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	6e-06
1599	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	5e-06
1600	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	544357	RNA-BINDING PROTEIN FUS/TLS protein [human, Peptide, 526 aa] [Homo sapiens]	4e-06

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	
1601	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	2e-06
1602	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	2e-06
1603	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	9e-07
1604	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	8e-07
1605	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	1169643	FMRFAMIDE-RELATED NEUROPEPTIDES PRECURSOR >gi 416208 (U03137) neuropeptide precursor FMRFamide-related peptide [Lymnaea stagnalis]	7e-07
1606	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	6e-07
1607	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	5e-07

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	
1608	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	3e-07
1609	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	1e-07
1610	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	1e-07
1611	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	7e-08
1612	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	2e-08
1613	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	6e-09

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	
1614	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	5e-09
1615	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	4e-09
1616	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	7e-10
1617	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	6e-10
1618	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	5e-10
1619	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	4e-10

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1620	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	2e-10
1621	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	5e-11
1622	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	2e-12
1623	AF032896	Petromyzon marinus polyadenylate binding protein	1e-28	1082703	polyadenylate binding protein II human	2e-27
1624	AF100694	Mus musculus Pontin52 mRNA, complete cds	9e-29	118588	DEHYDRIN DHN3 >gi 100035 pir S18139 dehydrin DHN3 - garden pea >gi 20709 (X63063) pea dehydrin DHN3 [Pisum sativum]	0.013
1625	AF100694	Mus musculus Pontin52 mRNA, complete cds	9e-29	2133579	spermatophorin Sp23 - yellow mealworm molitor]	6e-04
1626	AF100694	Mus musculus Pontin52 mRNA, complete cds	9e-29	3876465	(Z81071) predicted using Genefinder; Similarity to Human small nuclear ribonucleoprotein E cDNA EST yk375g7.5 comes from this gene; cDNA EST yk435f5.3 comes from this gen...	9e-06
1627	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-29	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	2e-06

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					ADP-RIBOSYLATION	
1628	AF100694	Mus musculus Pontin52 mRNA, complete cds	4e-29	728883	FACTOR 3 fruit fly (Drosophila melanogaster) >gi 507234 (L25063) ADP ribosylation factor 3 [Drosophila melanogaster]	0.016
1629	AF100694	Mus musculus Pontin52 mRNA, complete cds	4e-29	544357	RNA-BINDING PROTEIN FUS/TLS protein [human, Peptide, 526 aa] [Homo sapiens] (AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene.	2e-07
1630	AF100694	Mus musculus Pontin52 mRNA, complete cds	4e-29	4056454	[Arabidopsis thaliana]	1e-08
1631	D43682	Human mRNA for very-long-chain acyl-CoA dehydrogenase (VLCAD), complete cds	4e-29	1168287	ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC PRECURSOR (VLCAD) dehydrogenase precursor - rat Acyl-CoA dehydrogenase [Rattus norvegicus]	6e-37
1632	Y07660	M.tuberculosis accBC gene	4e-29	2113935	(Z95556) accD1 [Mycobacterium tuberculosis]	3e-47
1633	X55367	Human alpha-satellite DNA from clone pTRA-2.	1e-29	<NONE>	<NONE>	<NONE>
1634	L81866	Homo sapiens (subclone 1_f1 from P1 H54) DNA sequence	1e-29	<NONE>	<NONE>	<NONE>
1635	S75940	{Alu repeats, clone 52H10} [human, colonic mucosa, Genomic, 943 nt]	1e-29	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	1e-07
1636	AB001907	Homo sapiens PACE4 gene, exon 13	1e-29	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	2e-09
1637	AF077003	Mus musculus SH3 domain-containing adapter protein mRNA, complete cds	5e-30	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	
1638	AF100694	Mus musculus Pontin52 mRNA, complete cds	4e-30	4056454		3e-10
1639	M27072	Xenopus laevis poly(A)-binding protein (ABP-EF) mRNA, complete cds.	4e-30	1352709	POLYADENYLATE-BINDING PROTEIN polyadenylate-binding protein - African clawed frog laevis]	5e-21
1640	X58386	B.taurus mRNA for bovine vacuolar ATPase subunit A	2e-30	2773154	(AF039573) abscisic acid- and stress-inducible protein	4.3
1641	Y07660	M.tuberculosis accBC gene	1e-30	2113935	(Z95556) accD1 [Mycobacterium tuberculosis]	4e-47
1642	AJ236940	Sus scrofa mRNA for hypothetical protein (5'; clone 7C4)	4e-31	4102021	(AF007561) delta 6-desaturase [Borago officinalis]	7.4
1643	AF039400	Homo sapiens calcium-dependent chloride channel-1 (hCLCA1) mRNA, complete cds	2e-31	3721912	(AB017156) gob-5 [Mus musculus]	7e-08
1644	L77036	Homo sapiens (subclone 5_d9 from P1 H19) DNA sequence.	1e-31	461663	BOMBYXIN B-2 HOMOLOG PRECURSOR silkmoth >gi 217385 gnl PID d1003528 (D13924) Samia bombyxin homolog B-2 [Samia cynthia]	1.1
1645	X61971	H.sapiens mRNA for macropain subunit delta	1e-31	296734	(X61971) macropain subunit delta [Homo sapiens]	3e-06
1646	L00016	human mitochondrial trnas and partial proteins 4 & 5; histidyl-, seryl-, leucyl-trna genes; urf4 and urf5 (partial).	5e-32	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	0.002
1647	M17887	Human acidic ribosomal phosphoprotein P2 mRNA, complete cds.	5e-32	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	1e-05

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human mitogen-responsive phosphoprotein DOC-2 mRNA, complete cds.				
1659	U53446		6e-34	3395443	(AC004683) putative ammonium transporter, 3' partial	4.7
1660	AF013988	Homo sapiens serine protease mRNA, complete cds	4e-34	2507226	PROTEIN-TYROSINE PHOSPHATASE EPSILON PRECURSOR (R-PTP-EPSILON) >gi 1439605 (U62387) protein tyrosine phosphatase-e [Mus musculus]	3.2
1661	U53446	Human mitogen-responsive phosphoprotein DOC-2 mRNA, complete cds.	2e-34	104757	LEP100 protein precursor - chicken >gi 212254 gallus]	1.6
1662	AJ233632	Homo sapiens endogenous retroviral sequence ERV-L pol gene, clone ERV-L Human6	2e-34	3860513	(AJ233597) reverse transcriptase [Mus famulus]	4e-10
1663	AF086310	Homo sapiens full length insert cDNA clone ZD51F08	8e-35	2947070	(AC002521) putative Ser/Thr protein kinase [Arabidopsis thaliana]	2.3
1664	X17206	Human mRNA for LLRep3	3e-35	730652	40S RIBOSOMAL PROTEIN S2 (STRINGS OF PEARLS PROTEIN) >gi 1085158 pir S50325 ribosomal protein S2 - fruit fly (Drosophila melanogaster) melanogaster] >gi 515972 (U01335) ribosomal protein S2	2e-10
1665	AB011137	Homo sapiens mRNA for KIAA0565 protein, complete cds	3e-35	3043654	(AB011137) KIAA0565 protein [Homo sapiens]	2e-16
1666	U62801	Human protease M mRNA, complete cds	2e-35	3929231	(AF091247) potassium channel [Rattus norvegicus]	1.0
1667	AF020760	Homo sapiens serine protease (Omi) mRNA, complete cds	1e-35	2738915	(AF020760) serine protease [Homo sapiens]	9e-14

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human DNA				
1668	Z93943	sequence from cosmid U235H3 on chromosome X	8e-36	1196432	(M22333) unknown protein [Homo sapiens]	3e-10
1669	X06778	Rabbit 18S rRNA	7e-36	118588	DEHYDRIN DHN3 >gi 100035 pir S18139 dehydrin DHN3 - garden pea >gi 20709 (X63063) pea dehydrin DHN3 [Pisum sativum]	0.011
1670	AB007962	Homo sapiens mRNA, chromosome 1 specific transcript KIAA0493	3e-36	3329243	(AE001350) hypothetical protein [Chlamydia trachomatis]	3.1
1671	Z81014	Human DNA sequence from cosmid U65A4, between markers DXS366 and DXS87 on chromosome X *	3e-36	141103	HYPOTHETICAL PROTEIN ORF-1137 mouse	0.038
1672	Z81014	Human DNA sequence from cosmid U65A4, between markers DXS366 and DXS87 on chromosome X *	3e-36	198651	(M29325) ORF1 [Mus musculus]	0.006
1673	U49082	Human transporter protein (g17) mRNA, complete cds	3e-36	1840045	(U49082) transporter protein [Homo sapiens]	2e-15
1674	J03133	Human transcription factor SP1 mRNA, 3' end.	3e-36	477133	HF-1 regulatory element binding protein - rat	2e-31
1675	AB007934	Homo sapiens mRNA for KIAA0465 protein, partial cds	1e-36	3413892	(AB007934) KIAA0465 protein [Homo sapiens]	4e-37
1676	M34857	Mouse Hox-2.5 mRNA.	9e-37	106296	homeotic protein Hox B9 - human (fragment)	0.15
1677	L35657	Homo sapiens (subclone H8 5_a10 from P1 35 H5 C8) DNA sequence.	9e-37	2072960	(U93568) p40 [Homo sapiens]	3e-05
1678	X80240	H.sapiens endogenous retrovirus HERV-KC4 DNA	8e-37	4185944	(Y17833) env protein [Human endogenous retrovirus K]	1e-15

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human DNA				
1679	Z93943	sequence from cosmid U235H3 on chromosome X	9e-38	106322	hypothetical protein (L1H 3' region) - human	4e-13
1680	X97303	H.sapiens mRNA for Ptg-12 protein	4e-38	466044	HYPOTHETICAL ZINC FINGER PROTEIN ZK686.4 IN CHROMOSOME III >gi 630780 pir S44909 ZK686.4 protein - Caenorhabditis elegans >gi 304346 (L17337) coded for by C. elegans cDNAs GenBank:M88869 and T01933; putative [Caenorhabditis elegans]	3e-37
1681	Y08999	H.sapiens mRNA for Sop2p-like protein	3e-38	3334339	SOP2-LIKE PROTEIN	5e-06
1682	Z62887	H.sapiens CpG DNA, clone 74g6, forward read cpg74g6.ft1a .	2e-38	1245686	(U53181) F36D4.2 gene product [Caenorhabditis elegans]	0.19
1683	U35032	Human endogenous retrovirus clone c5.11, HERV-H multiply spliced subgenomic leader, protease and integrase region mRNA, partial cds	1e-38	59977	(Z14310) tripartite fusion transcript PLA2L [Human endogenous retrovirus]	1e-06
1684	D86974	Human mRNA for KIAA0220 gene, partial cds	1e-38	3337386	(AC002544) Unknown gene product splice form-2 [Homo sapiens]	8e-11
1685	M31013	Human nonmuscle myosin heavy chain (NMHC) mRNA, 3' end.	1e-38	4115748	(AB022023) nonmuscle myosin heavy chain B	2e-11
1686	AF006087	Homo sapiens Arp2/3 protein complex subunit p20-Arc (ARC20) mRNA, complete cds	4e-39	<NONE>	<NONE>	<NONE>
1687	X58374	D.melanogaster crn mRNA	4e-39	2655888	(AL009171) 62D9.a [Drosophila melanogaster]	4e-42
1688	D85815	Human DNA for rhoHP1, complete cds	1e-39	134080	GTP-BINDING PROTEIN TC10 ras-like protein [Homo sapiens]	3e-26

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1689	U49057	Rattus norvegicus CTD-binding SR-like protein rA9 mRNA, complete cds	4e-40	1438534	(U49057) rA9 [Rattus norvegicus]	5e-05
1690	Y08999	H.sapiens mRNA for Sop2p-like protein	4e-40	3334339	SOP2-LIKE PROTEIN	9e-08
1691	AB002293	Human mRNA for KIAA0295 gene, partial cds	4e-40	2224531	(AB002293) KIAA0295 [Homo sapiens]	1e-30
1692	AF086222	Homo sapiens full length insert cDNA clone ZC66E08	1e-40	2829669	DOUBLE-STRANDED RNA-SPECIFIC EDITASE 1 (DSRNA ADENOSINE DEAMINASE) (RNA EDITING ENZYME 1) >gi 1707502 gnl PID e254627 (X99227) double-stranded RNA-specific editase [Homo sapiens] editase 1 hRED1-L [Homo sapiens] >gi 2039300 (U76421) dsRNA adenosine deaminase DRADA2b [Homo sapiens]	0.61
1693	AF044127	Homo sapiens peroxisomal short-chain alcohol dehydrogenase (SCAD-SRL) mRNA, complete cds	1e-40	4105190	(AF044127) peroxisomal short-chain alcohol dehydrogenase	2e-06
1694	U36778	Mus musculus Sil mRNA, complete cds	1e-40	88608	SIL protein - human >gi 338088 (M74558) SIL	6e-23
1695	U36778	Mus musculus Sil mRNA, complete cds	1e-40	88608	SIL protein - human >gi 338088 (M74558) SIL	6e-23
1696	U36778	Mus musculus Sil mRNA, complete cds	1e-40	88608	SIL protein - human >gi 338088 (M74558) SIL	5e-23
1697	U36778	Mus musculus Sil mRNA, complete cds	1e-40	88608	SIL protein - human >gi 338088 (M74558) SIL	5e-23
1698	AB018285	Homo sapiens mRNA for KIAA0742 protein, partial cds	1e-40	3882205	(AB018285) KIAA0742 protein [Homo sapiens]	6e-31

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					ATP-BINDING CASSETTE	
1699	X75927	M.musculus abc2 mRNA	1e-40	728773	TRANSPORTER 1 ABC1 - human >gi 495257 (X75926) abc1 [Mus musculus]	3e-37
1700	AF038200	Homo sapiens clone 23954 mRNA sequence	5e-41	3211975	(AF068195) putative glialblastoma cell differentiation-related protein [Homo sapiens]	5e-14
1701	U20521	Human estrogen sulfotransferase (STE) gene, exon 8 and complete cds	4e-41	<NONE>	<NONE>	<NONE>
1702	AF026548	Homo sapiens branched chain alpha-ketoacid dehydrogenase kinase precursor, mRNA, nuclear gene encoding mitochondrial protein, complete cds	2e-41	3182923	[3-METHYL-2-OXOBUTANOATE DEHYDROGENASE (LIPOAMIDE)] KINASE PRECURSOR alpha-ketoacid dehydrogenase kinase precursor [Homo sapiens]	2e-09
1703	Y07660	M.tuberculosis accBC gene	2e-41	465847	HYPOTHETICAL 66.5 KD PROTEIN F02A9.5 IN CHROMOSOME III >gi 280542 pir S28313 hypothetical protein F02A9.5 - Caenorhabditis elegans Genefinder; similar to Propionyl-CoA carboxylase beta chain; cDNA EST EMBL:M89018 comes from this gene; cDNA EST EMBL:D28069 comes from this gene; cDNA EST EMBL:D28068 comes from this gene; cDNA EST ...	3e-38
1704	AG001237	Homo sapiens genomic DNA, 21q region, clone: 9H11N46	1e-41	106322	hypothetical protein (LIH 3' region) - human	5e-09
1705	AB007934	Homo sapiens mRNA for KIAA0465 protein, partial cds	1e-41	3413892	(AB007934) KIAA0465 protein [Homo sapiens]	3e-12
1706	AF055029	Homo sapiens clone 24711 mRNA sequence	5e-42	3250681	(AL024486) putative protein	2.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					1-	
1707	Z49747	O.cuniculus mRNA for phospholipase C	5e-42	130227	PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE DELTA 1 (PLC-DELTA-1) (PHOSPHOLIPASE C-DELTA-1) (PLC-III) >gi 163538 (M20638) phospholipase C-III [Bos taurus]	5e-36
1708	M93651	Human set gene, complete cds.	2e-42	<NONE>	<NONE>	<NONE>
1709	AJ236940	Sus scrofa mRNA for hypothetical protein (5'; clone 7C4)	2e-42	2062403	(U79010) delta 6 desaturase [Borago officinalis]	8.5
1710	J03634	Human erythroid differentiation protein mRNA	2e-42	1708436	INHIBIN BETA A CHAIN PRECURSOR	2e-10
1711	AJ223777	Mus musculus mRNA for striatin	6e-43	2494917	STRIATIN >gi 1495773 gnl PID e254158	2e-32
1712	AF016411	Homo sapiens potassium channel subunit KCNA3.1B	2e-43	2708514	(AF016411) KCNA3.1B [Homo sapiens]	3e-13
1713	AC001443	Homo sapiens (subclone 2_f10 from BAC 2913	1e-43	111814	hypothetical protein 3 - rat >gi 56589	2e-06
1714	X82895	H.sapiens mRNA for DLG2	6e-44	2497511	MAGUK P55 SUBFAMILY MEMBER 2 (MPP2 PROTEIN) (DISCS, LARGE HOMOLOG 2)	6e-52
1715	U17077	Human BENE mRNA, partial cds.	3e-44	53912	(X57960) ribosomal protein L7 [Mus musculus] >gi 55489	8e-30
1716	AJ222700	Homo sapiens mRNA for TSC-22 protein	2e-44	<NONE>	<NONE>	<NONE>
1717	J03634	Human erythroid differentiation protein mRNA	2e-44	124279	INHIBIN BETA A CHAIN PRECURSOR PROTEIN) (EDF) >gi 87936 pir B24248 inhibin beta-A chain precursor - human >gi 181947 (J03634) erythroid differentiation protein precursor [Homo sapiens] sapiens] >gi 226850 prf 1608260B inhibin betaA [Homo sapiens]	0.73

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1718	AB014518	Homo sapiens mRNA for KIAA0618 protein, complete cds	7e-45	1911548	(S80864) cytochrome c-like polypeptide sapiens]	1.6
1719	X76808	H.sapiens genomic DNA clone d2	7e-45	868201	(U29380) similar to adenylate cyclase [Caenorhabditis elegans]	2e-09
1720	AB021288	Homo sapiens mRNA for beta 2-microglobulin, complete cds	2e-45	2465521	(U95995) RNA-dependent RNA polymerase [Cryptosporidium parvum]	0.15
1721	X63468	H.sapiens mRNA for transcription factor TFIIE alpha	8e-46	<NONE>	<NONE>	<NONE>
1722	AF019226	Homo sapiens D2-2 mRNA, 3'UTR	7e-46	<NONE>	<NONE>	<NONE>
1723	D31764	Human mRNA for KIAA0064 gene, complete cds	2e-46	3123050	HYPOTHETICAL PROTEIN KIAA0064	1e-15
1724	K02774	Human MHC class II HLA-DR-beta-psi (DW4/DR4) pseudogene, exons 3,4, 5,6, clones cosII-3301 and cosII-801.	1e-46	4185946	(Y17834) gag protein [Human endogenous retrovirus K]	2e-14
1725	X92109	H.sapiens hcgIX gene	9e-47	2498185	BRIDE OF SEVENLESS PROTEIN PRECURSOR >gi 1079166 pir A47550 bride of sevenless precursor - fruit fly (Drosophila virilis) >gi 290216 virilis]	1.4
1726	X93334	H.sapiens mitochondrial DNA, complete genome	8e-47	128753	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4 >gi 86696 pir A00435 NADH dehydrogenase (ubiquinone)	4e-15
1727	M85145	Human tumor necrosis factor receptor, 3' flank.	3e-47	<NONE>	<NONE>	<NONE>
1728	X80240	H.sapiens endogenous retrovirus HERV-KC4 DNA	3e-47	4185944	(Y17833) env protein [Human endogenous retrovirus K]	7e-18
1729	Z63594	H.sapiens CpG DNA, clone 87f9, forward read cpg87f9.ft1a .	1e-47	3322743	(AE001222) T. pallidum predicted coding region TP0454	2.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1730	X62295	R.rattus mRNA for vascular type-1 angiotensin II receptor	4e-48	1209756	(U43629) integral membrane protein [Beta vulgaris]	1e-07
1731	M85145	Human tumor necrosis factor receptor, 3' flank.	3e-48	<NONE>	<NONE>	<NONE>
1732	AB020712	Homo sapiens mRNA for KIAA0905 protein, complete cds	4e-49	4240299	(AB020712) KIAA0905 protein [Homo sapiens]	2e-20
1733	AB020712	Homo sapiens mRNA for KIAA0905 protein, complete cds	3e-49	4240299	(AB020712) KIAA0905 protein [Homo sapiens]	2e-20
1734	X62295	R.rattus mRNA for vascular type-1 angiotensin II receptor	1e-49	1209756	(U43629) integral membrane protein [Beta vulgaris]	7e-12
1735	AJ007509	Homo sapiens mRNA for E1B-55kDa-associated protein	1e-49	3319956	(AJ007509) E1B-55kDa-associated protein	4e-24
1736	X97303	H.sapiens mRNA for Ptg-12 protein	1e-49	466044	HYPOTHETICAL ZINC FINGER PROTEIN ZK686.4 IN CHROMOSOME III >gi 630780 pir S44909 ZK686.4 protein - Caenorhabditis elegans >gi 304346 (L17337) coded for by C. elegans cDNAs GenBank:M88869 and T01933; putative [Caenorhabditis elegans]	8e-39
1737	AF038404	Homo sapiens homolog of Nedd5 (hNedd5) mRNA, complete cds	4e-50	<NONE>	<NONE>	<NONE>
1738	L43618	Homo sapiens polycystic kidney disease (PKD1) gene, exons 35-42	4e-50	903758	(L43619) polycystic kidney disease 1 protein [Homo sapiens]	3e-02
1739	AF009424	Homo sapiens clone 22 mRNA, alternative splice variant alpha-1, complete cds	4e-50	2271473	(AF009426) clone 22 [Homo sapiens]	5e-3

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					monosaccharid transport protein	
1740	L77040	Homo sapiens (subclone 8_c11 from P1 H22) DNA sequence.	2e-50	99758	STP4 - Arabidopsis thaliana >gi 16524 (X66857) sugar transport protein [Arabidopsis thaliana]	6.4
1741	L35657	Homo sapiens (subclone H8 5_a10 from P1 35 H5 C8) DNA sequence.	2e-50	2072960	(U93568) p40 [Homo sapiens]	2e-05
1742	U80745	Homo sapiens CTG7a mRNA, partial cds	1e-50	<NONE>	<NONE>	<NONE>
1743	D84514	Bovine mRNA for p97, partial cds	1e-50	3978527	(AF103728) structural polypeptide [Sindbis virus]	9.9
1744	M22960	Human protective protein mRNA, complete cds.	1e-50	131081	LYSOSOMAL PROTECTIVE PROTEIN PRECURSOR (CATHEPSIN A) (CARBOXYPEPTIDASE C) human >gi 190283 (M22960) protective protein precursor	1e-12
1745	X86018	H.sapiens mRNA for MUF1 protein	1e-50	1082610	muf1 protein - human >gi 762953 (X86018) muf1 [Homo sapiens]	1e-21
1746	U03495	Human transcription factor LSF-ID mRNA, complete cds.	7e-51	2136296	transcription factor LSF - human >gi 476099	1e-21
1747	AB015344	Homo sapiens HRIHFB2157 mRNA, partial cds	5e-51	3970874	(AB015344) HRIHFB2157 [Homo sapiens]	2e-35
1748	M93339	Human zinc finger protein mRNA.	4e-51	3024110	MYC-ASSOCIATED ZINC FINGER PROTEIN sapiens]	2e-06
1749	U71363	Human zinc finger protein zfp6 (ZF6) mRNA, partial cds	4e-51	2689441	(AC003682) F18547_1 [Homo sapiens]	2e-11
1750	X56932	H.sapiens mRNA for 23 kD highly basic protein	4e-51	730451	60S RIBOSOMAL PROTEIN L13A (23 KD HIGHLY BASIC PROTEIN) >gi 345897 pir S29539 basic protein, 23K - human >gi 23691 (X56932) 23 kD highly basic protein [Homo sapiens]	1e-11
1751	Z79054	H.sapiens flow-sorted chromosome 6 HindIII fragment. SC6pA21E11	2e-51	<NONE>	<NONE>	<NONE>

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens				
1752	AF068245	BAF60b gene, partial sequence	5e-52	<NONE>	<NONE>	<NONE>
1753	AJ236932	Sus scrofa mRNA for hypothetical protein (5'; clone 4B8)	5e-52	400927	RIBONUCLEOPROTEIN RB97D ribonucleoprotein [Drosophila melanogaster]	4.7
1754	AF003693	Mus musculus scaffold protein Pbp1 homolog mRNA, complete cds	6e-53	2197106	(AF003693) scaffold protein Pbp1 homolog [Mus musculus]	2e-54
1755	M27319	Human calmodulin mRNA, complete cds.	5e-53	115528	CALMODULIN >gi 102408 pir JC1309 calmodulin - Stylonychia lemnae (SGC5) >gi 161195	0.002
1756	M74555	Mouse house-keeping protein mRNA, complete cds.	5e-53	284775	house-keeping protein - mouse >gi 193871	5e-30
1757	X92720	H.sapiens mRNA for phosphoenolpyruvate carboxykinase	6e-54	2135915	phosphoenolpyruvate carboxykinase (GTP) (EC 4.1.1.32) precursor, mitochondrial - human carboxykinase (GTP) [Homo sapiens]	6e-21
1758	AF007872	Homo sapiens torsinB (DQ1) mRNA, partial cds	2e-54	2760121	(AB002405) LAK-4p [Homo sapiens]	0.27
1759	U49507	Mus musculus B6CBA Lisch7 mRNA, partial cds.	2e-54	1236083	(U49507) Lisch7 [Mus musculus]	3e-27
1760	Z73360	Human DNA sequence from cosmid 92M18, BRCA2 gene region chromosome 13q12-13.	1e-55	2370371	(Y14657) hydrophobin [Pleurotus ostreatus] >gi 2982620 gnl PID e1283986 (AJ225061) POH2 hydrophobin [Pleurotus ostreatus]	2.0
1761	U83702	Human cytochrome c oxidase subunit VIa gene, exon 3 and complete cds	8e-56	2982994	(AE000682) hypothetical protein [Aquifex aeolicus]	7.0
1762	Y12781	Homo sapiens mRNA for transducin (beta) like 1 protein	7e-56	3021409	(Y12781) transducin (beta) like 1 protein [Homo sapiens]	7e-39

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1763	AB020673	Homo sapiens mRNA for KIAA0866 protein, complete cds	8e-57	2104553	(AF001548) Myosin heavy chain (MHY11) (5'partial) [Homo sapiens]	4e-04
1764	AJ236932	Sus scrofa mRNA for hypothetical protein (5'; clone 4B8)	3e-57	400927	RIBONUCLEOPROTEIN RB97D ribonucleoprotein [Drosophila melanogaster]	4.7
1765	L06900	Human dystrophin gene, intron 1 containing pseudo exon.	1e-58	4185129	(AC005724) unknown protein [Arabidopsis thaliana] thaliana]	7.0
1766	X93334	H.sapiens mitochondrial DNA, complete genome	9e-59	1492050	(U60315) MC107L [Mollusum contagiosum virus subtype 1]	0.17
1767	AF064856	Rattus sp. 7acomp protein mRNA, complete cds	3e-59	3169626	(AF064856) 7acomp protein [Rattus sp.]	2e-31
1768	AF081484	Homo sapiens alpha-tubulin isoform 1 mRNA, complete cds	2e-59	32015	(X06956) alpha-tubulin [Homo sapiens]	4e-22
1769	X71427	Homo sapiens mRNA for FUS-CHOP protein fusion	1e-60	746557	(U23523) histidine-rich [Caenorhabditis elegans]	0.45
1770	AF013988	Homo sapiens serine protease mRNA, complete cds	1e-60	2564316	(AB006622) No similarities to any reported proteins [Homo sapiens]	0.26
1771	U25691	Mus musculus lymphocyte specific helicase mRNA, complete cds	7e-61	2137490	lymphocyte specific helicase - mouse musculus]	3e-25
1772	X93334	H.sapiens mitochondrial DNA, complete genome	4e-61	70656	ubiquitin / ribosomal protein S27a - human extension protein, HUBCEP80 [human, Peptide, 156 aa] ubiquitin extention protein [Cavia porcellus]	9e-08
1773	D38255	Homo sapiens mRNA for CAB1, complete cds	4e-61	2135214	gene MLN 64 protein - human	4e-23
1774	U25691	Mus musculus lymphocyte specific helicase mRNA, complete cds	8e-62	2137490	lymphocyte specific helicase - mouse musculus]	8e-26

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1775	M21731	Human lipocortin-V mRNA, complete cds.	6e-62	3212603	Human Annexin V With Proline Substitution By Thioproline	2e-20
1776	AF021936	Rattus norvegicus myotonic dystrophy kinase-related Cdc42-binding kinase MRCK-beta (MRCK-beta) mRNA, complete cds	2e-62	2736153	(AF021936) myotonic dystrophy kinase-related Cdc42-binding kinase MRCK-beta [Rattus norvegicus]	3e-27
1777	Y12059	H.sapiens HUNKI mRNA	1e-62	3184498	(AC004798) R31546_1 [Homo sapiens]	3e-09
1778	L37368	Human (clone E5.1) RNA-binding protein mRNA, complete cds.	6e-63	477578	sialidase - Actinomyces viscosus >gi 141852	7.8
1779	M27877	Figure 2. Nucleotide and translated protein sequences of HPF1, -2, and -9.	5e-63	1731443	ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1) >gi 106023 pir A32891 finger protein 1, placental - human	3e-33
1780	AF095448	Homo sapiens putative G protein-coupled receptor	2e-63	3116131	(AL023288) hypothetical protein	4.6
1781	L19437	Human transaldolase mRNA containing transposable element, complete cds	2e-63	1553119	(U63159) transaldolase [Mus musculus]	4e-18
1782	L41351	Homo sapiens prostasin mRNA, complete cds	1e-63	2833277	PROSTASIN PRECURSOR precursor - human >gi 862305 (L41351) prostasin [Homo sapiens] >gi 1143194 (U33446) prostasin [Homo sapiens]	6e-14
1783	AF053470	Homo sapiens 10kD protein (BC10) mRNA, complete cds	6e-64	482237	hypothetical protein K03H1.9 - Caenorhabditis elegans	0.029

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1784	D37791	Mouse mRNA for beta-1,4-galactosyltransferase	6e-64	3880102	(Z93390) similar to FYVE zinc finger; cDNA EST yk265b4.5 comes from this gene; cDNA EST yk359g9.5 comes from this gene; cDNA EST yk319c2.5 comes from this gene [Caenorhabditis elegans] zinc finger; cDNA EST yk265b4.5 comes from this gene; cDNA EST yk359g9.5 comes from this gene; cDNA EST yk319c2.5 comes from this gene [Caenorhabditis elegans]	3e-16
1785	AF015770	Mus musculus radical fringe (radical-fringe) mRNA, complete cds	6e-64	2204355	(U94350) radical fringe precursor [Mus musculus]	1e-36
1786	Z79054	H.sapiens flow-sorted chromosome 6 HindIII fragment, SC6pA21E11	2e-64	<NONE>	<NONE>	<NONE>
1787	M83094	Homo sapiens cytosolic selenium-dependent glutathione peroxidase gene, complete cds, and rhoh12 gene, 3' end.	1e-64	2447063	(U42580) A565R [Paramecium bursaria Chlorella virus 1]	8.8
1788	Y10211	H.sapiens LAG-3 gene, promoter region	7e-65	1944540	(X14112) tegument protein [human herpesvirus 1]	2.3
1789	M19045	Human lysozyme mRNA, complete cds.	2e-65	<NONE>	<NONE>	<NONE>
1790	U01882	Homo sapiens SS-A/Ro autoantigen 52 kda component gene, complete cds	2e-65	585401	LIPASE MODULATOR PRECURSOR (LIPASE HELPER PROTEIN) >gi 480045 pir S36249 lipB protein - Pseudomonas glumae >gi 49207 (X70354) helper protein	4.2
1791	AF069517	Homo sapiens RNA binding protein DEF-3 mRNA, complete cds	2e-65	3212101	(AF069517) RNA binding protein DEF-3 [Homo sapiens]	1e-25

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens jerky				
1792	AF004715	gene product homolog mRNA, complete cds	2e-65	2314829	(AF004715) jerky gene product homolog [Homo sapiens]	2e-45
1793	X59652	C. longicaudatus hpvt mRNA for hypoxanthine	3e-66	631625	hypoxanthine (guanine) phosphoribosyltransferase - long tailed hamster phosphoribosyltransferase [Cricetulus longicaudatus]	6e-54
1794	U94350	Mus musculus radical fringe precursor mRNA, complete cds	3e-67	2204355	(U94350) radical fringe precursor [Mus musculus]	2e-33
1795	AF015811	Mus musculus putative lysophosphatidic acid acyltransferase mRNA, complete cds	3e-68	2317725	(AF015811) putative lysophosphatidic acid acyltransferase [Mus musculus]	7e-51
1796	J03137	Cow phosphoinositide-specific phospholipase C	3e-69	226908	phospholipase C 154 [Bos taurus]	3e-25
1797	AF044574	Rattus norvegicus putative peroxisomal 2,4-dienoyl-CoA reductase (DCR-AKL) mRNA, complete cds	1e-69	4105269	(AF044574) putative peroxisomal 2,4-dienoyl-CoA reductase [Rattus norvegicus]	2e-33
1798	AF015811	Mus musculus putative lysophosphatidic acid acyltransferase mRNA, complete cds	4e-70	2317725	(AF015811) putative lysophosphatidic acid acyltransferase [Mus musculus]	3e-19
1799	X65157	M.musculus mRNA for desmoyokin. partial	5e-74	109781	desmoyokin - mouse (fragment) >gi50675	9e-37
1800	Z97207	Mus musculus mRNA for B-IND1 protein	2e-74	2231019	(Z97207) B-IND1 protein [Mus musculus]	6e-21
1801	U27196	Gallus gallus zinc finger protein (Fzf-1) mRNA, complete cds.	6e-75	984814	(U27196) zinc finger protein [Gallus gallus] gallus]	2e-44

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					70 KD WD-REPEAT TUMOR-SPECIFIC ANTIGEN >gi 2505957 gnl PID e353992 (Y15054) 70 kD tumor-specific antigen [Rattus norvegicus]	
1802	Y15054	Rattus norvegicus mRNA for 70 kDa tumor specific antigen, partial	3e-77	3123027		4e-42
1803	X65157	M.musculus mRNA for desmoyokin, partial	3e-79	109781	desmoyokin - mouse (fragment) >gi 50675	9e-33
1804	U50736	Rattus norvegicus cardiac adriamycin responsive protein mRNA, complete cds	2e-84	1362781	cytokine inducible nuclear protein C193 - human >gi 793841 (X83703) nuclear protein [Homo sapiens]	7e-30
1805	AF072865	Rattus norvegicus thioredoxin reductase (TrxR2) mRNA, nuclear gene encoding mitochondrial protein, complete cds	2e-84	3757888	(AF072865) thioredoxin reductase [Rattus norvegicus]	6e-43
1806	AF044574	Rattus norvegicus putative peroxisomal 2,4-dienoyl-CoA reductase (DCR-AKL) mRNA, complete cds	6e-85	4105269	(AF044574) putative peroxisomal 2,4-dienoyl-CoA reductase [Rattus norvegicus]	1e-41
1807	U19181	Rattus norvegicus Rabin3 mRNA, complete cds.	2e-87	624225	(U19181) Rabin3 [Rattus norvegicus]	2e-41
1808	U40342	Mus musculus ninein mRNA, complete cds.	1e-91	1113865	(U40342) ninein [Mus musculus]	2e-36
1809	X67877	R.norvegicus mRNA for cytosolic resiniferatoxin-binding protein	4e-92	136077	TROPOMYOSIN BETA 3, FIBROBLAST chicken >gi 515694 (M23082) tropomyosin [Gallus gallus]	0.56
1810	AF044574	Rattus norvegicus putative peroxisomal 2,4-dienoyl-CoA reductase (DCR-AKL) mRNA, complete cds	5e-93	4105269	(AF044574) putative peroxisomal 2,4-dienoyl-CoA reductase [Rattus norvegicus]	1e-50
1811	AF035527	Mus musculus EHF (Ehf) mRNA, complete cds	2e-95	3138930	(AF035527) EHF [Mus musculus]	2e-47

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1812	AB016930	Cricetulus griseus mRNA for Phosphatidylglycerophosphate synthase, complete cds	6e-96	4159682	(AB016930) Phosphatidylglycerophosphate synthase [Cricetulus griseus]	7e-41
1813	AB005549	Rattus norvegicus mRNA for atypical PKC specific binding protein, complete cds	7e-97	3868778	(AB005549) atypical PKC specific binding protein [Rattus norvegicus]	3e-41
1814	X90849	G.gallus PB1 gene	2e-97	2134381	polybromo 1 protein - chicken chicken >gi 951231 (X90849) polybromo 1 protein [Gallus gallus]	1e-34
1815	S79873	h-lamp-2=lysosome-associated membrane protein-2 protein-2b (LAMP2) mRNA, alternatively spliced form h-lamp-2b, complete cds.	3e-98	<NONE>	<NONE>	<NONE>
1816	U67203	Mus musculus ACF7 neural isoform 1 (mACF7) mRNA, partial cds	2e-98	1675224	(U67204) ACF7 neural isoform 2 [Mus musculus]	9e-39
1817	L14684	Rattus norvegicus nuclear-encoded mitochondrial elongation factor G mRNA, complete cds.	e-100	585084	ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G) >gi 543383 pir S40780 translation elongation factor G, mitochondrial - rat >gi 310102	2e-30
1818	X84692	M.musculus Spnr mRNA for RNA binding protein	e-133	1363238	spermatid perinuclear RNA-binding protein Spnr - mouse >gi 673454 (X84692) spermatid perinuclear RNA binding protein [Mus musculus]	5e-35
1819	U50736	Rattus norvegicus cardiac adriamycin responsive protein mRNA, complete cds	e-113	1362781	cytokine inducible nuclear protein C193 - human >gi 793841 (X83703) nuclear protein [Homo sapiens]	2e-36
1820	S66855	HoxB9=Hox-2.5 [mice, embryos, mRNA Partial, 786 nt]	e-107	1708355	HOMEODOMAIN PROTEIN HOX-B9 (HOX-2.5)	8e-37

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		HoxB9=Hox-2.5				
1821	S66855	[mice, embryos, mRNA Partial, 786 nt]	e-108	1708355	HOMEODOMAIN PROTEIN HOXB9 (HOX-2.5)	4e-37
1822	U92072	Rattus norvegicus m-tomosyn mRNA, complete cds	e-102	3790389	(U92072) m-tomosyn [Rattus norvegicus]	2e-38
1823	D17577	Mouse mRNA for kinesin-like protein (Kif1b), complete cds	e-129	2497524	KINESIN-LIKE PROTEIN KIF1B mouse >gi 407339 gnl PID d1005029 (D17577) Kif1b [Mus musculus]	2e-39
1824	AF062484	Mus musculus SDP8 mRNA, complete cds	e-122	3126981	(AF062484) SDP8 [Mus musculus]	5e-40
1825	X73683	R.norvegicus mRNA for histone H3.3	e-109	122075	HISTONE H3.3 (H3.3Q) (H3.3Q) histone H3.3 - fruit fly (Drosophila melanogaster) histone H3.3B - chicken >gi 2119023 pir S61218 histone H3.3 - fruit fly (Drosophila hydei) 1-136 [Oryctolagus cuniculus] >gi 8046 (X53822) Histone H3.3Q gene product [Drosophila melanogaster] >gi 51198 gallus] >gi 161190 (M17876) histone H3 [Spisula solidissima] >gi 211853 (M11393) histone 3.3 [Gallus gallus] >gi 306848 (M11354) H3.3 histone [Homo sapiens melanogaster] >gi 963031 (X81205) histone H3.3 H3.3A variant [Drosophila melanogaster] musculus]	2e-40
1826	U67203	Mus musculus ACF7 neural isoform 1 (mACF7) mRNA, partial cds	e-102	1675224	(U67204) ACF7 neural isoform 2 [Mus musculus]	2e-40
1827	D17577	Mouse mRNA for kinesin-like protein (Kif1b), complete cds	e-131	2497524	KINESIN-LIKE PROTEIN KIF1B mouse >gi 407339 gnl PID d1005029 (D17577) Kif1b [Mus musculus]	7e-42

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1828	AB016930	<i>Cricetulus griseus</i> mRNA for Phosphatidylglycerophosphate synthase, complete cds	e-131	4159682	(AB016930) Phosphatidylglycerophosphate synthase [<i>Cricetulus griseus</i>]	3e-43
1829	U09874	<i>Mus musculus</i> SKD3 mRNA, complete cds.	e-122	2493735	SKD3 PROTEIN SKD3 [<i>Mus musculus</i>]	7e-48
1830	X99145	<i>C.familiaris</i> mRNA for C3VS protein	e-110	1429314	(X99145) overexpressed in thyroid tissue after TSH stimulation [<i>Canis familiaris</i>]	2e-49
1831	X99836	<i>P.walti</i> mRNA for rnp associated protein 55	e-106	4200286	(X99836) rap55 [<i>Pleurodeles waltl</i>]	2e-50
1832	AF077003	<i>Mus musculus</i> SH3 domain-containing adapter protein mRNA, complete cds	e-121	3550240	(AF077003) SH3 domain-containing adapter protein; CD2AP	3e-51
1833	AF060246	<i>Mus musculus</i> strain C57BL/6 zinc finger protein 106 (Zfp106) mRNA, H3a-a allele, complete cds	e-118	3372657	(AF060246) zinc finger protein 106 [<i>Mus musculus</i>]	1e-52
1834	Z14030	<i>R.norvegicus</i> mRNA for TRAP-complex gamma subunit.	e-120	1174453	TRANSLOCON-ASSOCIATED PROTEIN, GAMMA SUBUNIT (TRAP-GAMMA) (SIGNAL SEQUENCE RECEPTOR GAMMA SUBUNIT) (SSR-GAMMA) >gi 423185 pir S33294 translocon-associated protein gamma chain - rat norvegicus]	7e-54
1835	AF077003	<i>Mus musculus</i> SH3 domain-containing adapter protein mRNA, complete cds	e-132	3550240	(AF077003) SH3 domain-containing adapter protein; CD2AP	5e-54
1836	L20427	<i>Rattus norvegicus</i> dihydroxypolyprenylbenzoate methyltransferase mRNA, complete cds	e-116	457372	(L20427) dihydroxypolyprenylbenzoate methyltransferase dihydroxypolyprenylbenzoate methyltransferase [<i>Rattus norvegicus</i>]	4e-56

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR)	
1837	X80169	M.musculus mRNA for 200 kD protein	e-122	1717793	>gi 1083553 pir A55117 tsg24	2e-56
1838	AF080568	Rattus norvegicus CTP:phosphoethanolamine cytidyltransferase mRNA, complete cds	e-119	3396102	(AF080568) CTP:phosphoethanolamine cytidyltransferase	6e-58
1839	X99145	C.familiaris mRNA for C3VS protein	e-121	1429314	(X99145) overexpressed in thyroid tissue after TSH stimulation [Canis familiaris]	2e-58
1840	AF019075	Pan troglodytes breast and ovarian cancer susceptibility (BRCA1) gene. partial cds	e-145	2218154	(AF005068) breast and ovarian cancer susceptibility protein splice variant [Homo sapiens]	1e-58
1841	U55042	Bos taurus myosin X, complete cds	e-122	1755049	(U55042) myosin X [Bos taurus]	1e-61
1842	AJ007780	Mus musculus mRNA for poly(ADP-ribose) polymerase-2	e-119	3283975	(AF072521) poly-(ADPribosyl)-transferase homolog PARP	4e-62
1843	AF072865	Rattus norvegicus thioredoxin reductase (TrxR2) mRNA, nuclear gene encoding mitochondrial protein, complete cds	e-105	3757888	(AF072865) thioredoxin reductase [Rattus norvegicus]	3e-62
1844	U55042	Bos taurus myosin X, complete cds	e-121	1755049	(U55042) myosin X [Bos taurus]	1e-62
1845	X61506	Mouse E46 mRNA for E46 protein	e-139	114909	BRAIN PROTEIN E46	9e-67
1846	D90335	Bovine mRNA for GTP-binding protein alpha-subunit	e-148	585174	GUANINE NUCLEOTIDE-BINDING PROTEIN, ALPHA-14 SUBUNIT (GL1) >gi 108711 pir A40891 GTP-binding protein GL1 alpha chain - bovine protein, alpha-subunit [Bos taurus]	2e-69
1847	U49507	Mus musculus B6CBA Lisch7 mRNA, partial cds.	e-140	2121326	(AC002128) Lisch7 [Homo sapiens]	2e-74

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Table 4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
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3	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
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8	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
9	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
10	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
11	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
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13	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
14	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
15	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
16	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
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20	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
21	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
22	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
23	<NONE>	<NONE>	<NONE>	1079469	tMDC I protein - crab-eating macaque	9.3
24	<NONE>	<NONE>	<NONE>	3043656	(AB011138) KIAA0566 protein [Homo sapiens]	9.3
25	<NONE>	<NONE>	<NONE>	112175	potassium channel protein RK5 - rat protein [Rattus norvegicus]	8.6
26	<NONE>	<NONE>	<NONE>	3769624	(AF091565) olfactory receptor [Rattus norvegicus]	7.2
27	<NONE>	<NONE>	<NONE>	3876443	(Z81517) F28B1.6 [Caenorhabditis elegans]	7.1
28	<NONE>	<NONE>	<NONE>	2224464	(AB001684) ORF249 [Chlorella vulgaris]	6.9
29	<NONE>	<NONE>	<NONE>	1519707	(U67940) ORFveg106; random cDNA sequence [Dictyostelium discoideum]	6.7
30	<NONE>	<NONE>	<NONE>	227491	protein kinase C II [Xenopus laevis]	6.7
31	<NONE>	<NONE>	<NONE>	630575	C50C3.4 protein - Caenorhabditis elegans	6.0
32	<NONE>	<NONE>	<NONE>	137290	35 KD PROTEIN IN RNA2 clover necrotic mosaic virus >gil61466 (X08021) ORF for 35 kDa polypeptide (AA 1-317) [Red clover necrotic mosaic virus]	6.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
33	<NONE>	<NONE>	<NONE>	30041	(X16711) pid:g30041 [Homo sapiens]	5.9
34	<NONE>	<NONE>	<NONE>	2493585	CELL DIVISION PROTEIN FTSW	5.7
35	<NONE>	<NONE>	<NONE>	1001450	(D63999) hypothetical protein	5.7
36	<NONE>	<NONE>	<NONE>	3182918	NITROGEN REGULATORY PROTEIN AREA	5.2
37	<NONE>	<NONE>	<NONE>	140011	MITOCHONDRIAL RIBOSOMAL PROTEIN S5 Emericella nidulans mitochondrion (SGC3) >gi 12709 nidulans] >gi 472822 (J01390) unknown protein	4.3
38	<NONE>	<NONE>	<NONE>	3979943	(AL034393) predicted using Genefinder; similar to WD domain, G-beta repeat; cDNA EST yk362f7.5 comes from this gene; cDNA EST yk362f7.3 comes from this gene [Caenorhabditis elegans]	4.0
39	<NONE>	<NONE>	<NONE>	950203	(U31329) polyketide synthase [Aspergillus terreus]	3.3
40	<NONE>	<NONE>	<NONE>	3560232	(AL031530) hypothetical zinc finger protein [Schizosaccharomyces pombe]	3.0
41	<NONE>	<NONE>	<NONE>	730071	AXONEME-ASSOCIATED PROTEIN MST101(1) product [Drosophila hydei]	2.6
42	<NONE>	<NONE>	<NONE>	2506641	HYPOTHETICAL 21.7 KD PROTEIN IN INTE-PIN INTERGENIC REGION >gi 1787402 (AE000214) orf, hypothetical protein [Escherichia coli]	2.5
43	<NONE>	<NONE>	<NONE>	3511232	(AF071556) anthranilate dioxygenase large subunit	2.4
44	<NONE>	<NONE>	<NONE>	1150900	(U43139) envelope glycoprotein gp120 [Human immunodeficiency virus type 1]	1.9
45	<NONE>	<NONE>	<NONE>	3876099	(Z75536) similar to dynein heavy chain; cDNA EST EMBL:D27549 comes from this gene; cDNA EST EMBL:D34859 comes from this gene [Caenorhabditis elegans]	1.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AL032647) predicted using	
46	<NONE>	<NONE>	<NONE>	3881150	Genefinder	1.4
47	<NONE>	<NONE>	<NONE>	132200	COLANIC ACID CAPSULAR BIOSYNTHESIS ACTIVATION PROTEIN A >gi 95605 pir S17701 rcsA protein	1.1
48	<NONE>	<NONE>	<NONE>	2204286	(U61380) germination protein [Bacillus megaterium]	1.0
49	<NONE>	<NONE>	<NONE>	1723955	HYPOTHETICAL 11.4 KD PROTEIN IN FOX1-KEX1 INTERGENIC REGION >gi 2132566 pir S64222 probable membrane protein YGL204c - yeast (Saccharomyces cerevisiae) >gi 1322838 gnl PID e243803 (Z72726) ORF YGL204c [Saccharomyces cerevisiae]	0.84
50	<NONE>	<NONE>	<NONE>	3201564	(AJ006514) prolipoprotein diacylglycerol transferase [Vibrio cholerae]	0.31
51	<NONE>	<NONE>	<NONE>	2808721	(AL021428) hypothetical protein Rv0064	0.27
52	<NONE>	<NONE>	<NONE>	602434	(U17986) GABA/noradrenaline transporter [Homo sapiens]	0.13
53	<NONE>	<NONE>	<NONE>	3347955	(AF076184) cytosolic sorting protein PACS-1b [Rattus norvegicus]	0.12
54	<NONE>	<NONE>	<NONE>	1255887	(U53344) coded for by C. elegans cDNA yk92b4.5; coded for by C. elegans cDNA yk73a1.5; coded for by C. elegans cDNA yk102e9.5; coded for by C. elegans cDNA yk71c8.5; coded for by C. elegans cDNA yk66d11.5; coded for by C. elegans cDNA yk66c3...	0.074
55	<NONE>	<NONE>	<NONE>	103076	Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (Drosophila melanogaster)	0.003
56	<NONE>	<NONE>	<NONE>	107560	Ras inhibitor (clone JC265) - human sapiens]	0.002

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (<i>Drosophila melanogaster</i>)	
57	<NONE>	<NONE>	<NONE>	103076		2e-04
58	<NONE>	<NONE>	<NONE>	2702370	(AF038604) contains similarity to <i>Drosophila</i> ovarian tumor locus protein (GB:X13693) [<i>Caenorhabditis elegans</i>]	6e-05
59	<NONE>	<NONE>	<NONE>	3859713	(AL033501) phox domain protein [<i>Candida albicans</i>]	3e-05
60	<NONE>	<NONE>	<NONE>	2088839	(AF003386) F59E12.5 gene product [<i>Caenorhabditis elegans</i>]	2e-08
61	<NONE>	<NONE>	<NONE>	121059	GC-RICH SEQUENCE DNA-BINDING FACTOR GCF - human >gi 179412 (M29204) DNA-binding factor [<i>Homo sapiens</i>]	4e-09
62	<NONE>	<NONE>	<NONE>	3875246	(Z81490) similar to WD domain, G-beta repeats (2 domains); cDNA EST EMBL:T00482 comes from this gene; cDNA EST EMBL:T00923 comes from this gene; cDNA EST yk449d4.3 comes from this gene; cDNA EST yk449d4.5 comes from this gen...	9e-24
63	<NONE>	<NONE>	<NONE>	1465834	(U64857) No definition line found [<i>Caenorhabditis elegans</i>]	9e-28
64	<NONE>	<NONE>	<NONE>	3327136	(AB014561) KIAA0661 protein [<i>Homo sapiens</i>]	1e-29
65	<NONE>	<NONE>	<NONE>	3880433	(Z66521) similar to mitochondrial RNA splicing MSR4 like protein; cDNA EST EMBL:C09217 comes from this gene [<i>Caenorhabditis elegans</i>]	8e-31
66	D42133	Rat annexin V gene, exon7 and exon8	5.0	<NONE>	<NONE>	<NONE>
67	L35679	Homo sapiens (subclone H8 2_d11 from P1 35 H5 C8) DNA sequence.	5.0	1086902	(U41278) coded for by <i>C. elegans</i> cDNA yk79g8.5; coded for by <i>C. elegans</i> cDNA cm10c8; coded for by <i>C. elegans</i> cDNA yk79g8.3; similar to leucine-rich repeats found in many proteins [<i>Caenorhabditis elegans</i>]	6.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		HIV-1 strain BX220				
68	U90184	from USA, envelope glycoprotein C2V3 region (env) gene, partial cds	5.0	1297070	(Z71986) convicilin precursor [Vicia narbonensis]	6.6
69	U61465	Human myosin VIIa (MYO7A) gene, 5' exon 37	5.0	2313225	(AE000535) L-lactate permease (lctP) [Helicobacter pylori 26695]	5.0
70	AF013717	Homo sapiens periplakin (PPL) mRNA, partial cds	5.0	3719238	(AF064869) brain-enriched guanylate kinase-associated protein 2; BEGA2 [Rattus norvegicus]	3.8
71	X58245	Soybean mRNA for HMG-1 like protein	5.0	2995363	(AL022245) biotin synthase	0.99
72	AF102425	Fraseria paniculata tRNA-Leu (trnL) gene, intron, chloroplast sequence	4.9	3522958	(AC004411) putative pectinesterase [Arabidopsis thaliana]	6.4
73	X82817	H.sapiens PTP1C/HCP-variant gene	4.9	3875514	(Z81494) cDNA EST EMBL:D27474 comes from this gene; cDNA EST EMBL:D27473 comes from this gene; cDNA EST EMBL:T00471 comes from this gene; cDNA EST EMBL:D34192 comes from this gene; cDNA EST EMBL:D37241 comes from this gene; ...	2.8
74	U04827	Mus musculus brain fatty acid-binding protein	4.9	3676132	(AL031765) 1- evidence=predicted by content; 1-method=genefinder;084; 1-method_score=31.96; 1-evidence_end; 2-evidence=predicted by match; 2-match_accession=SPTREMBL:Q93319; 2-match_description=HYPOTHETICAL PROTEIN C33A11.2;...	2e-09
75	AF038859	Neospora hughesi strain NE1 internal transcribed spacer 1, complete sequence	4.8	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		M.musculus MFH-1				
76	Y08222	gene	4.8	<NONE>	<NONE>	<NONE>
77	AJ224475	Borrelia burgdorferi left chromosomal subtelomeric region (pfpB gene)	4.8	4218141	(AJ236702) HMR1 protein [Antirrhinum majus]	8.3
78	U02486	Mus musculus LAF putative membrane protein (KRAG) gene, exon 3 and complete cds	4.8	3258103	(AP000006) 367aa long hypothetical protein [Pyrococcus horikoshii]	2.7
79	AB000280	Rat mRNA for peptide/histidine transporter, complete cds	4.8	806317	(M29067) unknown protein [Saccharomyces cerevisiae]	0.001
80	Z49771	A.cepa mitochondrial gene for NADH dehydrogenase subunit 3 and ribosomal protein S12	4.5	<NONE>	<NONE>	<NONE>
81	M63494	Mouse IgG receptor (beta-Fc-gamma-RII) gene, exons 6 and 7, clones lambda-Fc(3.2,93).	4.3	<NONE>	<NONE>	<NONE>
82	Z14035	S.pombe car1 gene	2.0	3790665	(AF099000) No definition line found [Caenorhabditis elegans]	1.2
83	U17129	Rhodococcus erythropolis ThcA (thcA) gene, complete cds; and unknown genes	2.0	2828280	(AL021687) putative protein [Arabidopsis thaliana] >gi 2832633 gnl PID e1249651 (AL021711) putative protein [Arabidopsis thaliana]	2e-26
84	AE001386	Plasmodium falciparum chromosome 2, section 23 of 73 of the complete sequence	2.0	4176500	(AL031177) dJ889M15.3 (novel protein)	9e-59
85	U79292	Human clone 23734 mRNA sequence	1.9	<NONE>	<NONE>	<NONE>
86	V00159	Chloroplast Euglena gracilis gene coding for the 5S and 16S rRNA.	1.9	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1.9	<NONE>	<NONE>	<NONE>
87	U95094					
88	X93206	H.salinarium TATA box-binding protein genes and ORFs	1.9	<NONE>	<NONE>	<NONE>
89	U60979	Caenorhabditis elegans programmed cell death specifier (ces-2) gene, complete cds	1.9	<NONE>	<NONE>	<NONE>
90	X56272	C. tentans ORF's (A-E) for hemoglobin	1.9	<NONE>	<NONE>	<NONE>
91	L22383	Homo sapiens DNA sequence, repeat region.	1.9	<NONE>	<NONE>	<NONE>
92	U82814	Hirudo medicinalis neuron-specific protein mRNA, complete cds	1.9	3822533	(AF094531) immunoglobulin heavy chain precursor	2.0
93	U18504	Haplomitrium hookeri 18S rRNA gene, partial sequence.	1.9	1083969	hypothetical protein 6 - fowlpox virus virus]	2.0
94	X53676	Pseudomonas stutzeri nosDFY genes involved in copper processing	1.9	2980781	(AL022198) putative protein	0.70
95	U60086	Dictyostelium discoideum multidrug resistance transporter/Ser protease (tagC) mRNA, complete cds.	1.9	3879530	(Z49130) cDNA EST yk486b9.3 comes from this gene; cDNA EST yk486b9.5 comes from this gene	6e-05
96	U33447	Human putative G-protein-coupled receptor (GPR17) gene, complete cds	1.9	3880034	(Z75550) similar to cell division control protein [Caenorhabditis elegans]	7e-14
97	M81327	Sus scrofa lactoferrin mRNA, complete cds. > :: gb I28421 I28421 Sequence 5 from patent US 5571691	1.8	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		S.iniae lctP & lctO genes and ORF1	1.8	<NONE>	<NONE>	<NONE>
98	Y07622					
99	M60474	Mouse myristoylated alanine-rich C-kinase substrate (MARCKS) mRNA, complete cds.	1.8	<NONE>	<NONE>	<NONE>
100	Y13901	Homo sapiens FGFR-4 gene	1.8	<NONE>	<NONE>	<NONE>
101	U44400	Human Down Syndrome region of chromosome 21, clone A31D6-1D6.	1.8	<NONE>	<NONE>	<NONE>
102	U92808	Ruminococcus albus beta-glucosidase (gluA) mRNA, complete cds	1.8	<NONE>	<NONE>	<NONE>
103	L25051	Candida albicans argininosuccinate lyase (ARG4) gene, complete cds.	1.8	<NONE>	<NONE>	<NONE>
104	AE000546	Helicobacter pylori 26695 section 24 of 134 of the complete genome	1.8	<NONE>	<NONE>	<NONE>
105	J00978	Xenopus laevis major beta-globin gene, complete cds.	1.8	<NONE>	<NONE>	<NONE>
106	U41716	Human immunodeficiency virus type 1 isolate JW95-5, vpr gene, complete cds.	1.8	<NONE>	<NONE>	<NONE>
107	X66286	G.gallus mRNA for tensin	1.8	<NONE>	<NONE>	<NONE>
108	U76636	Xenopus calbindin D28k mRNA, complete cds	1.8	<NONE>	<NONE>	<NONE>
109	J00664	rabbit embryonic beta-4-globin gene.	1.8	<NONE>	<NONE>	<NONE>
110	M21535	Human erg protein (ets-related gene) mRNA, complete cds.	1.8	2983160	(AE000693) hypothetical protein [Aquifex aeolicus]	7.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Rat troponin T			(Z46595) incomplete interleukin-	
111	M80829	cardiac isoform gene, complete cds	1.8	999450	11 receptor isoform [Homo sapiens]	7.3
112	D37887	Cyprinus carpio c-myc gene for c-Myc, complete cds	1.8	3023408	BRANCHED-CHAIN AMINO ACID TRANSPORT SYSTEM CARRIER PROTEIN (BRANCHED-CHAIN AMINO ACID UPTAKE CARRIER) >gi 1075007 pir D64056 membrane-associated component, branched amino acid transport system (brnQ) homolog - Haemophilus influenzae (strain Rd KW20) system II carrier protein (brnQ) [Haemophilus influenzae Rd]	7.2
113	AF019765	Homo sapiens G protein-coupled receptor kinase 1 and G protein-coupled receptor kinase 1b (GRK1) gene, alternatively spliced, alternative exon 6, exon 7, and partial cds	1.8	498643	(U10270) G-box binding factor 1 [Zea mays]	7.2
114	AF025967	Helicobacter pylori J166 virulence regulon transcriptional activator homolog gene, partial cds, strain-specific genomic sequence B2	1.8	3850108	(AL033388) putative calcium-transporting atpase [Schizosaccharomyces pombe]	5.7
115	U13183	Xenopus laevis (Xwnt-4) mRNA, complete cds.	1.8	2494853	PROBABLE HYDROXYACYLGLUTATHIONE HYDROLASE (GLYOXALASE II) (GLX II) protein [Escherichia coli] >gi 1786406 (AE000130) probable hydroxyacylglutathione hydrolase [Escherichia coli]	5.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
116	S68944	Na+/Cl(-)-dependent neurotransmitter transporter	1.8	2276316	(Z96810) GLYT-1 LIKE [Homo sapiens]	5.5
117	M92905	Rat calcium channel alpha-1 subunit (rbB-I) mRNA, complete cds.	1.8	3165522	(AF067607) Similar to cuticular collagen; C18H7.3	5.5
118	X12429	Xenopus laevis U170K gene exon 10	1.8	2735957	(AF015685) reverse transcriptase domain protein (Z81072) Similarity to human cyclin A/CDK2-associated protein P19 (RNA polymerase elongation factor) (SW:SKP1_HUMAN); cDNA EST EMBL:T00114 comes from this gene; cDNA EST yk390f11.5 comes from this gene; cDNA EST yk402e11.5 co...	3.3
119	D83333	Mouse hepatitis virus genomic RNA for spike protein, partial cds	1.8	3876559	>gi 3877216 gnl PID e1346850 protein P19 (RNA polymerase elongation factor) gene; cDNA EST yk390f11.5 comes from this gene; cDNA EST yk402e11.5 co...	3.3
120	AF016972	Cervus elaphus REDDEER mitochondrial D-loop, complete sequence	1.8	3878057	(Z99942) similar to von Willebrand factor type A domain; cDNA EST yk412d4.5 comes from this gene; cDNA EST yk412d4.3 comes from this gene	3.2
121	AB010741	Oncorhynchus mykiss mRNA for rtSox24, complete cds	1.8	1730805	HYPOTHETICAL 21.0 KD PROTEIN IN RPS3-PSD1 INTERGENIC REGION >gi 2132762 pir S63129 probable membrane protein YNL174w - yeast (Saccharomyces cerevisiae) >gi 1302152 gnl PID e239548 (Z71451) ORF YNL174w [Saccharomyces cerevisiae]	2.5
122	U32844	Haemophilus influenzae Rd section 159 of 163 of the complete genome	1.8	728910	A-TYPE INCLUSION PROTEIN (ATI) camelpox virus >gi 62381 (X69774) 84kDa A-type inclusion protein [unidentified]	1.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
123	U18321	Human ionizing radiation resistance conferring protein mRNA, complete cds.	1.8	2133273	ribosomal protein YS7 homolog <i>Emericella nidulans</i>	1.4
124	M28668	Human cystic fibrosis mRNA, encoding a presumed transmembrane conductance regulator (CFTR). > :: gb I11500 I11500 Sequence 1 from Patent US 5407796	1.8	90492	filaggrin precursor - mouse (fragment)	0.87
125	AF064553	Mus musculus NSD1 protein mRNA, complete cds	1.8	2501207	PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR >gi 1065461 (U40411) Similar to protein disulfide-isomerase. [<i>Caenorhabditis elegans</i>]	0.87
126	AB002314	Human mRNA for KIAA0316 gene, complete cds	1.8	115131	REGULATORY PROTEIN BRLA (BRISTLE A PROTEIN) >gi 83718 pir A28913 regulatory protein brla - <i>Emericella nidulans</i> >gi 168029 (M20631) brla protein	0.84
127	L42096	Homo sapiens (subclone 10_d2 from P1 H21) DNA sequence.	1.8	2135624	metalloproteinase 1 (EC 3.4.24.-) - human	0.65
128	M37278	R.norvegicus renin gene, exons 1-9.	1.8	4050087	(AF109907) S164 [<i>Homo sapiens</i>]	0.58
129	X82879	Artificial sequences DNA for ART 2 consensus	1.8	310929	(L13442) cysteine-rich extensin-like protein-4 [<i>Nicotiana tabacum</i>]	0.52
130	D89729	Homo sapiens mRNA for CRM1 protein, complete cds	1.8	3559944	(AJ010792) Muc5AC protein [<i>Mus musculus</i>]	0.38
131	U78076	Mus musculus sepiapterin reductase gene, exons 1 and 2	1.8	2984225	(AE000766) enolase-phosphatase E-1 [<i>Aquifex aeolicus</i>]	0.095

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					COLLAGEN ALPHA 1(VIII)	
132	X52133	Paramecium 168G gene for 168G surface protein	1.8	115316	CHAIN PRECURSOR (ENDOTHELIAL COLLAGEN) >gi 105686 pir S15435 collagen alpha 1(VIII) chain precursor - (U61944) coded for by C. elegans cDNA yk112f3.5; coded for by C. elegans cDNA cm21d2; coded for by C. elegans cDNA CEESR07F; coded for by C. elegans cDNA yk112f3.3; coded for by C. elegans cDNA CEESR29F [Caenorhabditis elegans]	0.073
133	M77830	Human desmoplakin I mRNA, complete cds.	1.8	1397246	(U43192) myosin II heavy chain [Naegleria fowleri]	1e-04
134	AJ224150	Plasmodium berghei EF-1alpha A-gene	1.8	1353761	(U58748) similar to potential transmembrane domains in S. cerevisiae nuclear division RFT1 protein (SP:P38206)	2e-05
135	AJ005518	Mus musculus somatostatin receptor 2 gene, exon1 and 5' flanking region	1.8	1326350	(AL031174) hypothetical protein	2e-08
136	AF002217	Ralstonia eutropha megaplasmid pHG1 nitric oxide reductase (norB) gene, complete cds	1.8	3393018	(AL033388) 3-oxoacyl-[acyl-carrier-protein]-synthase	2e-08
137	AF039035	Caenorhabditis elegans cosmid C53A3	1.8	3850109	(AL022600) putative mannose-1-phosphate gaunyl transferase [Schizosaccharomyces pombe]	3e-11
138	M81769	S.domesticus immunoglobulin rearranged gamma chain mRNA, VJC region, complete cds.	1.8	3080527	HYPOTHETICAL 24.2 KD PROTEIN C13A11.03 IN CHROMOSOME I >gi 984224 (Z54096) unknown	3e-14
139	Y11106	P.pastoris PYC1 gene	1.8	1175412	(AL021687) putative protein [Arabidopsis thaliana] >gi 2832633 gnl PID e1249651 (AL021711) putative protein [Arabidopsis thaliana]	1e-15
140	U87803	Human putative Ca2+/calmodulin-dependent protein kinase kinase gene, 3' flanking region, partial sequence	1.8	2828280		3e-17

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Plasmodium				
141	AE001430	falciparum chromosome 2, section 67 of 73 of the complete sequence	1.8	1931647	(U95973) endomembrane protein EMP70 precursor isolog HYPOTHETICAL 75.5 KD PROTEIN C14A4.3 IN CHROMOSOME II >gi 3874230 gnl PID e1351618 protein (Swiss Prot accession number P38376); cDNA EST yk220e10.5 comes from this gene [Caenorhabditis elegans]	2e-20
142	L19708	Rat N-methyl-D-aspartate receptor (NMDAR1) gene, first exon.	1.8	1731181	(Z81103) predicted using Genefinder; cDNA EST yk303g11.5 comes from this gene; cDNA EST yk303g11.3 comes from this gene [Caenorhabditis elegans]	3e-21
143	Y10728	P.schwarzi mitochondrial cytb gene, partial	1.8	3878644	(AL031177) dJ889M15.3 (novel protein)	1e-28
144	AB006631	Homo sapiens mRNA for KIAA0293 gene, partial cds	1.8	4176500		7e-45
145	AF106967	Mus musculus I3 protein mRNA, complete cds	1.7	<NONE>	<NONE>	<NONE>
146	AE001073	Archaeoglobus fulgidus section 34 of 172 of the complete genome	1.7	<NONE>	<NONE>	<NONE>
147	U12977	Pseudomonas lemoignei poly(3-hydroxybutyrate) depolymerase A precursor (phaZ5) gene, complete cds, and glycerol-3-phosphate-dehydrogenase homolog, complete cds.	1.7	<NONE>	<NONE>	<NONE>
148	M27038	Mus musculus (SK/CamRk) germline IgK chain gene, J1-5 region.	1.7	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		H.sapiens HBF-1				
149	X74142	mRNA for transcription factor	1.7	<NONE>	<NONE>	<NONE>
150	U40830	Streptococcus thermophilus DeoD gene, partial cds and EpsA, EpsB, EpsC, EpsD, EpsE, EpsF, EpsG, EpsH, EpsI, EpsJ, EpsK, EpsL, EpsM, Orf14.9 protein genes, complete cds	1.7	<NONE>	<NONE>	<NONE>
151	L29172	Rabbit Ig germline gamma H-chain (allotype d12,e15) C-region gene, 3' end.	1.7	<NONE>	<NONE>	<NONE>
152	M19045	Human lysozyme mRNA, complete cds.	1.7	<NONE>	<NONE>	<NONE>
153	AE001159	Borrelia burgdorferi (section 45 of 70) of the complete genome	1.7	<NONE>	<NONE>	<NONE>
154	L17027	Plasmid pFdA (from Fremyella diplosiphon) DNA sequence, including unidentified cds and stem loop.	1.7	<NONE>	<NONE>	<NONE>
155	U12232	Arabidopsis thaliana Columbia GTP binding protein beta subunit (AGB1) mRNA, complete cds.	1.7	<NONE>	<NONE>	<NONE>
156	D42056	Arabidopsis thaliana ATPK6 mRNA for ribosomal-protein S6 kinase homolog, complete cds	1.7	<NONE>	<NONE>	<NONE>
157	X98117	Rhizobium leguminosarum prsD, prsE, ORF3 genes	1.7	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
158	AF039084	Spinacia oleracea heat shock 70 protein protein, complete cds	1.7	<NONE>	<NONE>	<NONE>
159	Z12651	R.norvegicus gene for catechol methyltransferase	1.7	<NONE>	<NONE>	<NONE>
160	AF002968	Fringilla coelebs mitochondrial control region, partial sequence	1.7	<NONE>	<NONE>	<NONE>
161	AE001160	Borrelia burgdorferi (section 46 of 70) of the complete genome	1.7	<NONE>	<NONE>	<NONE>
162	U67553	Methanococcus jannaschii section 95 of 150 of the complete genome	1.7	<NONE>	<NONE>	<NONE>
163	M86247	S.ruminantium plasmid pS23 DNA.	1.7	<NONE>	<NONE>	<NONE>
164	S74436	oIL-8=interleukin-8 [sheep, spleen cells, mRNA, 1435 nt]	1.7	<NONE>	<NONE>	<NONE>
165	D12719	Candida maltosa ALK7 (CYP52A10) and ALK8 complete cds	1.7	<NONE>	<NONE>	<NONE>
166	U02625	Geotrichum candidum NRRL Y-553 lipase gene, partial cds.	1.7	321245	230k bullous pemphigoid antigen BPM1 - mouse	9.3
167	Z58881	H.sapiens CpG DNA, clone 114a4, reverse read cpg114a4.rt1a .	1.7	1854675	(U66298) bone morphogenetic protein-6 [Rattus norvegicus]	9.1
168	U43674	Agrobacterium tumefaciens conjugal transfer region 1 genes	1.7	1352066	LARGE PROLINE-RICH PROTEIN BAT2 MHC class III histocompatibility antigen HLA-B-associated transcript 2 - human >gi 179339 (M33509) HLA-B-associated transcript 2 (BAT2) [Homo sapiens] >gi 179345 (M33518) HLA-B-associated transcript 2 (BAT2) [Homo sapiens]	9.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					PROTOPORPHYRINOGEN OXIDASE (PPO) yeast (Saccharomyces cerevisiae) >gi 603606 (U18778) Hem14p: protoporphyrinogen oxidase [Saccharomyces cerevisiae] >gi 1403536 gnl PID e249333 (Z71381) protoporphyrinogen oxidase [Saccharomyces cerevisiae]	
169	AL023827	Caenorhabditis elegans cosmid Y12A6A, complete sequence [Caenorhabditis elegans]	1.7	731440		8.9
170	X69662	X.laevis mRNA for glutathione synthetase, large subunit	1.7	4038057	(AC005897) hypothetical protein [Arabidopsis thaliana]	8.8
171	Z35824	S.cerevisiae chromosome II reading frame ORF YBL063w	1.7	3021450	(Y15515) prdl-a [Hydra vulgaris]	7.0
172	M65139	Cowpea chlorotic mottle virus (CCMV) 1a protein gene, complete cds.	1.7	2506307	COLLAGEN ALPHA 1(XII) CHAIN PRECURSOR 1(XII) chain - chicken >gi 222811 gnl PID d1001160 gallus] >gi 2326442 gnl PID e39435 (X61024) collagen type XII alpha 1 chain [Gallus gallus]	7.0
173	X15065	Drosophila distal BX-C region (bithorax complex) pH189 5' region;	1.7	1723625	HYPOTHETICAL 10.0 KD PROTEIN IN ALPA-GABD INTERGENIC REGION (F87) >gi 1033124 (U36840) ORF_f87 [Escherichia coli] >gi 1788982 (AE000348) orf, hypothetical protein	6.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
174	Z46255	<i>S.cerevisiae</i> chromosome VI lambda clone.	1.7	3875228	(Z46792) similar to lethal(1) discs large-1 tumor suppressor protein-like repeats; cDNA EST EMBL:D33495 comes from this gene; cDNA EST EMBL:D35117 comes from this gene; cDNA EST EMBL:D36356 comes from this gene; cDNA EST EMB... >gi 3879984 gnl PID e1351767 suppressor protein-like repeats; cDNA EST EMBL:D33495 comes from this gene; cDNA EST EMBL:D35117 comes from this gene; cDNA EST EMBL:D36356 comes from this gene; cDNA EST EMB...	6.7
175	U01066	Human CD4 promoter, partial sequence.	1.7	125448	THYMIDINE KINASE saimiriine herpesvirus 1 (strain 11[Onc]) >gi 60341	6.7
176	U34743	<i>Phalaenopsis</i> sp. 'hybrid SM9108' homeobox protein mRNA, complete cds	1.7	1022918	(U38184) ATPase subunit 6 [Trypanosoma cruzi]	6.7
177	U14662	Baboon herpesvirus HVP2 gB glycoprotein (UL27) gene, complete cds.	1.7	3218378	(AL023862) hypothetical protein SC3F9.07 [Streptomyces coelicolor]	6.7
178	AB017006	<i>Homo sapiens</i> PMS2L15 mRNA, partial cds	1.7	1465855	(U64859) glutamine-rich protein [Caenorhabditis elegans]	6.7
179	U92651	<i>Brassica oleracea</i> var. botrytis tonoplast intrinsic protein bobTIP26-1 mRNA, complete cds	1.7	3023675	DYNEIN HEAVY CHAIN, CYTOSOLIC (DYHC) dynein heavy chain [Schizosaccharomyces pombe]	6.6
180	AF000634	<i>Lytechinus variegatus</i> notch homolog mRNA, complete cds	1.7	148574	(M58520) endo-1,4-beta-glucanase [Fibrobacter succinogenes]	6.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
181	M92354	Arabidopsis thaliana anthranilate synthase alpha subunit gene, complete cds.	1.7	738308	blue light photoreceptor [Arabidopsis thaliana]	6.5
182	AJ234856	Hordeum vulgare genomic DNA fragment; clone MWG2234.rev	1.7	3142302	(AC002411) Strong similarity to myosin heavy chain gb Z34293 from A. thaliana. [Arabidopsis thaliana]	6.5
183	U76827	Stercorarius parasiticus bird J33 cytochrome b protein, partial cds	1.7	3413810	(Y17034) Bassoon [Mus musculus]	5.4
184	U05211	Saccharomyces cerevisiae Ttp1p (TTP1) gene, complete cds.	1.7	403173	(L24492) lipoprotein [Rhodococcus erythropolis]	4.9
185	AF076974	Homo sapiens TRRAP protein (TRRAP) mRNA, complete cds	1.7	1170140	PUTATIVE ENDOGLUCANASE TYPE K PRECURSOR (ENDO-1,4-BETA-GLUCANASE) (CELLULASE)	4.1
186	AE000753	Aquifex aeolicus section 85 of 109 of the complete genome	1.7	1169357	DNA ADENINE METHYLASE site-specific DNA-methyltransferase (adenine-specific) dam methylase gene product [Vibrio cholerae]	4.0
187	AF005638	Tupaia glis apolipoprotein AI prepropeptide mRNA, complete cds	1.7	3355682	(AL031124) putative secreted lyase	4.0
188	M23090	Human germline IgK chain gene V3-region, clone Humkv328h5	1.7	2257483	(AB004534) pi003 [Schizosaccharomyces pombe]	4.0
189	M24001	Mink enteritis virus antigenic type 2 capsid protein genes VP1 and VP2, complete cds.	1.7	2143504	myotonic dystrophy kinase - mouse (fragment) kinase, DM-kinase {C-terminal, alternatively spliced, clone delta II,III,IV,V} [mice, brain, Peptide Partial, 474 aa] [Mus sp.]	3.9
190	X59964	H.sapiens CST4 gene for Cystatin D	1.7	1766075	(U37273) winged helix protein CWH-2 [Gallus gallus]	3.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					HYPOTHETICAL 11.7 KD	
191	X95276	P.falciparum complete gene map of plastid-like DNA (IR-B)	1.7	3219951	PROTEIN C6B12.13 IN CHROMOSOME I >gi 2330843 gnl PID e334047 pombe]	3.0
192	D84487	Rat PMSG-induced ovarian mRNA, 3'sequence, N10	1.7	173164	(J02719) valyl-tRNA synthetase [Saccharomyces cerevisiae]	2.3
193	L14851	Rattus norvegicus neurexin III-alpha gene, complete cds.	1.7	3323586	(AF060869) single-strand binding protein [Salmonella typhimurium]	2.3
194	M97002	Xenopus laevis/gilli hybrid pseudo-IgH chain gene, V region, clone LG7G342A.	1.7	2118407	MHC sex-limited protein - mouse (fragment) musculus]	2.3
195	L07025	Bacillus thuringiensis delta-endotoxin (CryA(a)) gene, 5' end. > :: gb I34520 I34520 Sequence 1 from patent US 5596071 > :: gb I39790 I39790 Sequence 1 from patent US 5616495 > :: gb AR008487 AR008487 Sequence 1 from patent US 5753492	1.7	2496940	HYPOTHETICAL 53.4 KD PROTEIN D1054.13 IN CHROMOSOME V >gi 3875316 gnl PID e1344967	1.8
196	S73149	insulin-like growth factor II {intron 7} [human, Genomic, 1702 nt]	1.7	3327038	(AB014512) KIAA0612 protein [Homo sapiens]	1.8
197	D86990	Human (lambda) DNA for immunoglobulin light chain	1.7	494367	Fv Fragment (Murine Se155-4) Complex With The Trisaccharide: Alpha-D-Galactose(1-2)[alpha-D-Abequose(1-3)]alpha- D-Mannose (P1-Ome) (Part Of The Cell-Surface Carbohydrate Of Pathogenic Salmonella)	1.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Plasmid pFdA (from				
198	L17027	Freymyella diplosiphon) DNA sequence, including unidentified cds and stem loop.	1.7	1082702	poliovirus receptor-related protein - human	1.4
199	AL022273	Caenorhabditis elegans cosmid H22D14, complete sequence [Caenorhabditis elegans]	1.7	3924605	(AF069442) putative inhibitor of apoptosis [Arabidopsis thaliana]	1.4
200	U89926	Drosophila melanogaster cut gene, partial sequence	1.7	2245100	(Z97343) DNA-binding protein homolog	1.3
201	Z25749	H.sapiens gene for ribosomal protein S7	1.7	2493459	PROTEIN KINASE C SUBSTRATE, 60.1 KD PROTEIN, HEAVY CHAIN (PKCSH) (80K-H PROTEIN) >gi 1215746	1.1
202	U59841	Fundulus heteroclitus lactate dehydrogenase B	1.7	3005587	(AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]	0.82
203	X55763	Rabbit mRNA for smooth muscle calcium channel blocker (CaCB) receptor	1.7	3883128	(AF082302) arabinogalactan-protein [Arabidopsis thaliana]	0.82
204	Z75528	Caenorhabditis elegans cosmid C18B12A, complete sequence [Caenorhabditis elegans]	1.7	940397	(D10123) core [Hepatitis C virus]	0.80
205	U50912	Human XIST gene, poly purine-pyrimidine repeat region	1.7	2338027	(AF005370) large tegument protein [Alcelaphine herpesvirus 1]	0.59
206	X12817	Ovis aries beta-lactoglobulin gene	1.7	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.45
207	AF004419	Homo sapiens troponin T (TNNT2) gene, exon 13	1.7	2996364	(AF053947) unknown [Yersinia pestis] >gi 3883090	0.22
208	L43643	Gallus domesticus DNA microsatellite marker MCW119	1.7	464896	TRANSDUCIN-LIKE ENHANCER PROTEIN 1 enhancer-of-split homolog TLE-1 - human >gi 307510	0.20

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
209	Z73278	<i>S.cerevisiae</i> chromosome XII reading frame ORF YLR106c	1.7	1351657	HYPOTHETICAL 123.9 KD PROTEIN C30D11.04C IN CHROMOSOME I >gi 2130411 pir S62562 hypothetical protein SPAC30D11.4c - fission yeast nuclear pore complex protein [Schizosaccharomyces pombe]	0.20
210	M22345	Mouse endogenous provirus gag, pol, and env region DNA.	1.7	2444455	(AF020765) hypothetical protein [Myxococcus xanthus]	0.12
211	AE000360	<i>Escherichia coli</i> K-12 MG1655 section 250 of 400 of the complete genome	1.7	2736361	(AF039038) No definition line found [Caenorhabditis elegans]	0.12
212	AB020692	<i>Homo sapiens</i> mRNA for KIAA0885 protein, complete cds	1.7	2605924	(AF029726) histidine kinase C [Dictyostelium discoideum]	0.094
213	S69429	testis-determining gene/SRY homolog [Sminthopsis macroura=striped-faced dunnarts, Genomic, 855 nt]	1.7	2499016	TONB PROTEIN >gi 1666536 (U23764) TonB [Pseudomonas aeruginosa]	0.092
214	S69429	testis-determining gene/SRY homolog [Sminthopsis macroura=striped-faced dunnarts, Genomic, 855 nt]	1.7	2499016	TONB PROTEIN >gi 1666536 (U23764) TonB [Pseudomonas aeruginosa]	0.088
215	U67205	<i>Mus musculus</i> ACF7 neural isoform 3 (mACF7) mRNA, partial cds	1.7	2047349	(AF000198) weak similarity to HSP90 [Caenorhabditis elegans]	0.052
216	X98188	Artificial DNA sequence for mammalian lambda-neo minichromosome, 1400 bp	1.7	2493779	PUTATIVE CUTICLE COLLAGEN C09G5.6 collagen; cDNA EST yk244c3.5 comes from this gene; cDNA EST yk244c3.3 comes from this gene [Caenorhabditis elegans]	0.042
217	U70139	<i>Mus musculus</i> putative CCR4 protein mRNA, partial cds	1.7	2252630	(U95973) hypothetical protein [Arabidopsis thaliana]	0.041

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
218	L38808	Homo sapiens alpha-1 type V collagen (COL5A1) gene, 5' flank and exon 1.	1.7	2895760	(AF045246) universal minicircle sequence binding protein minicircle sequence binding protein [Crithidia fasciculata]	0.039
219	Z72151	B.napus mRNA for AMP-binding protein	1.7	190475	(K02576) salivary proline-rich protein 1 [Homo sapiens]	0.011
220	X94152	R.norvegicus mRNA for cysteine sulfinatase decarboxylase	1.7	2136212	synapsin IIb - human >gi 1594277 (U40215) synapsin IIb [Homo sapiens]	0.008
221	L20255	Mouse stathmin gene sequence.	1.7	2317934	(U97553) unknown [murine herpesvirus 68]	0.006
222	L13600	Rattus norvegicus glycine transporter mRNA, complete cds.	1.7	726403	(U23175) similar to anion exchange protein [Caenorhabditis elegans]	0.003
223	AJ224150	Plasmodium berghei EF-1alpha A-gene	1.7	2072290	(U95094) XL-INCENP [Xenopus laevis]	0.001
224	S80642	butyrophilin [mice, lactating mammary gland, mRNA Partial, 3193 nt]	1.7	2695746	(AJ223010) Pmt2 [Schizosaccharomyces pombe]	9e-04
225	M22363	C.elegans unc-86 gene encoding two alternative proteins, complete cds.	1.7	2224683	(AB002369) KIAA0371 [Homo sapiens]	1e-04
226	X92123	M.musculus cgt gene exon 1	1.7	3874232	(Z49909) similar to Prokaryotic ribonuclease PH [Caenorhabditis elegans]	3e-05
227	AB016000	Ipomoea nil PKn2 (knotted-like gene) mRNA, complete cds	1.7	2183083	(AF000422) TTF-I interacting peptide 5 [Homo sapiens]	1e-05
228	D14133	Bovine mRNA for synaptocanalin I	1.7	3925277	(AL032643) similar to Uncharacterized protein family UPF0034, Double-stranded RNA binding motif; cDNA EST yk489b3.5 comes from this gene; cDNA EST yk439g7.5 comes from this gene [Caenorhabditis elegans]	2e-06

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
229	L01991	Mus musculus TAFG-1-like neuronal glycoprotein (PCS) mRNA, complete cds.	1.7	3006139	(AL022299) hypothetical protein	4e-07
230	X63016	Tomato yellow leaf curl virus Thailand isolate complete genome (TYLCV-TH B-DNA)	1.7	3643608	(AC005395) hypothetical protein [Arabidopsis thaliana]	1e-07
231	Z22802	H.sapiens microsatellite repeat. > :: gb G34562 G34562 human STS SHGC-51834	1.7	100210	extensin precursor (clone Tom L4) - tomato esculentum]	4e-09
232	K02765	Human complement component C3 mRNA, alpha and beta subunits, complete cds.	1.7	2984320	(AE000773) acetoin utilization protein [Aquifex aeolicus]	1e-09
233	Z74818	S.cerevisiae chromosome XV reading frame ORF YOL076w	1.7	3873700	(Z73102) predicted using Genefinder; Similarity to Bacillus subtilis DNAJ protein gene; cDNA EST EMBL:C12520 comes from this gene; cDNA EST EMBL:D71409 comes from this ge...	7e-11
234	D21871	Pig mRNA for thimet oligopeptidase	1.7	2632098	(Y15513) Prodos protein [Drosophila melanogaster]	8e-13
235	Y14344	Gallus gallus gene encoding neurofascin, exons 9,10,11 & 12	1.7	3876421	(Z81070) cDNA EST EMBL:C12730 comes from this gene; cDNA EST yk200b6.5 comes from this gene; cDNA EST yk349a12.5 comes from this gene [Caenorhabditis elegans]	3e-14
236	Z73608	S.cerevisiae chromosome XVI reading frame ORF YPL252c	1.7	1439663	(U64605) C05D9.6 gene product [Caenorhabditis elegans]	6e-18

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					OLIGOSACCHARYL	
237	AG000518	Homo sapiens genomic DNA, 21q region, clone: T171N23	1.7	1174468	TRANSFERASE STT3 SUBUNIT HOMOLOG >gi 529357 (U13019) No definition line found [Caenorhabditis elegans]	6e-18
238	D17716	Human mRNA for N-acetylglucosaminyltransferase V, complete cds	1.7	961446	(D63877) KIAA0157 gene product is novel.	5e-19
239	AF102512	Cheilodactylus vittatus country USA: Midway Island cytochrome c oxidase subunit I gene, mitochondrial gene encoding mitochondrial protein, partial cds	1.7	1572756	(U70848) C43G2.1 gene product [Caenorhabditis elegans]	5e-40
240	L30107	Rattus norvegicus liver-specific transporter gene, promoter region.	1.7	4176443	(AL022238) dJ1042K10.4 (novel protein)	3e-49
241	X91220	H.sapiens mRNA for Na-Cl electroneutral thiazide-sensitive cotransporter	1.7	3478637	(AC005546) R29425_1 [Homo sapiens]	6e-54
242	U97146	Rattus norvegicus calcium-independent phospholipase A2 mRNA, complete cds	1.6	<NONE>	<NONE>	<NONE>
243	Z48508	Pea seed-borne mosaic virus RNA for coat protein and polymerase (partial)	1.6	<NONE>	<NONE>	<NONE>
244	M18349	Rat leukocyte common antigen (L-CA) gene, exons 1 through 5.	1.6	<NONE>	<NONE>	<NONE>
245	M13158	Yeast (S.pombe) cdc25+ gene (mitosis initiation), complete cds.	1.6	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mycoplasma				
246	U39712	genitalium section 34 of 51 of the complete genome	1.6	<NONE>	<NONE>	<NONE>
247	M17922	Mouse Murine urokinase-type plasminogen activator protein gene, complete cds.	1.6	3875750	(Z81499) predicted using Genefinder; cDNA EST yk410e3.3 comes from this gene; cDNA EST yk410e3.5 comes from this gene [Caenorhabditis elegans]	8.0
248	M89986	Human polymorphic loci in Xq28.	1.6	3261710	(Z84724) psd [Mycobacterium tuberculosis]	6.4
249	M89986	Human polymorphic loci in Xq28.	1.6	2143805	inositol-polyphosphate 4-phosphatase - rat	6.2
250	U68725	Rattus norvegicus Deleted in colorectal Cancer	1.6	1256804	(U51449) RING3 protein [Xenopus laevis]	5.8
251	X95199	P.platessa GSTA, GSTA1, GSTA2, and PPTN genes	1.6	3915113	MALEYLACETATE REDUCTASE Pseudomonas cepacia >gi 643636 (U19883) maleylacetate reductase [Burkholderia cepacia]	4.9
252	Y09103	D.melanogaster RPA1 gene	1.6	3916021	HYPOTHETICAL 91 KD PROTEIN IN COB INTRON >gi 2654230 gnl PID e1192341 (X02819) unidentified reading frame [Schizosaccharomyces pombe]	4.8
253	Z14078	T.aestivum mitochondrion fMet, 18S, 5S repeat unit DNA	1.6	2501668	DYSTROPHIN-RELATED PROTEIN 2 sapiens]	3.6
254	AB002314	Human mRNA for KIAA0316 gene, complete cds	1.6	130997	REPETITIVE PROLINE-RICH CELL WALL PROTEIN 1 PRECURSOR >gi 81809 pir A29324 proline-rich protein precursor - soybean >gi 170049 (J02746) proline-rich protein [Glycine max]	2.8
255	M21488	Human muscle creatine kinase gene (CKMM), exon 2.	1.6	119399	ENV POLYPROTEIN PRECURSOR (COAT POLYPROTEIN) [CONTAINS: COAT PROTEIN GP62; COAT PROTEIN GP40]	2.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
256	AE001164	Borrelia burgdorferi (section 50 of 70) of the complete genome	1.6	4050089	(AF109907) hypothetical protein [Homo sapiens]	1.5
257	X61757	M.musculus rearranged T-cell receptor beta variable region (Vb17a)	1.6	3377766	(AF080090) semaphorin IV isoform b [Mus musculus]	1.2
258	M15346	T.cruzi tandemly repeated gene encoding an 85 kDa antigen with homology to heat shock proteins.	1.6	2804437	(AF043695) similar to zinc metalloprotease family of peptidases [Caenorhabditis elegans]	0.41
259	L39018	Rattus norvegicus sodium channel protein 6 (SCP6) mRNA, complete cds	1.6	2920535	(AF018081) type XVIII collagen [Homo sapiens]	0.037
260	M29483	Human leukocyte adhesion protein p150,95 alpha subunit gene, exons 7 - 15.	1.6	1840045	(U49082) transporter protein [Homo sapiens]	2e-09
261	L06844	Aspergillus niger beta-D-fructofuranosidase (suc1) gene, one exon.	1.6	4206210	(AF071527) putative calcium channel [Arabidopsis thaliana]	9e-10
262	M10946	Chicken aldolase B gene, complete cds, clones lambda-C(11.1,4).	1.6	2746775	(AF040640) similar to peptidase family C19 (ubiquitin carboxyl-terminal hydrolase) [Caenorhabditis elegans]	1e-31
263	X07881	Human gene PRB3L for proline-rich protein G1	1.5	<NONE>	<NONE>	<NONE>
264	U22260	Nicotiana tabacum UMP synthase (pyr5-6) mRNA, partial cds	1.5	3880923	(Z99271) similar to Reverse transcriptase comes from this gene [Caenorhabditis elegans]	0.50
265	U76759	Mus musculus nuclear protein NIP45 mRNA, complete cds	1.4	1330394	(U58761) C01F1.6 gene product [Caenorhabditis elegans]	8.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					POTASSIUM-	
266	AF076470	Rice tungro bacilliform virus Serdang strain, complete genome	1.4	1703461	TRANSPORTING ATPASE BETA CHAIN (PROTON PUMP) (GASTRIC H+/K+ ATPASE BETA SUBUNIT) 3.6.1.36) beta chain - human >gi 184105 (M75110) H,K-ATPase beta subunit [Homo sapiens]	8.9
267	X64659	C.jacchus interferon gene for interferon gamma	1.4	1486485	(U28832) US10 [Gallid herpesvirus 1] >gi 1486497	6.8
268	U11825	Schistosoma japonicum structural muscle protein paramyosin mRNA, complete cds.	0.88	<NONE>	<NONE>	<NONE>
269	D84278	Human DNA for CD38, exon 1	0.68	3766363	(AL031907) hypothetical serine rich protein [Schizosaccharomyces pombe]	3.0
270	M59755	Bovine lens aldose reductase pseudogene, 3' end.	0.67	<NONE>	<NONE>	<NONE>
271	M81758	Homo sapiens skeletal muscle voltage-dependent sodium channel alpha subunit (SkM1) mRNA, complete cds.	0.65	2437819	(Z86105) 1,4-beta-glucanase [Anaerocellum thermophilum]	3.6
272	L01965	Human type IV sodium channel alpha polypeptide	0.64	2437819	(Z86105) 1,4-beta-glucanase [Anaerocellum thermophilum]	3.5
273	U90122	Danio rerio bone morphogenetic protein-4 (bmp4) mRNA, partial cds	0.63	2983532	(AE000720) formate dehydrogenase alpha subunit [Aquifex aeolicus]	7.9
274	L41624	Hylobates lar mucin (MUC1) gene, exons 1-6.	0.63	1517808	(D79215) FGF-10 [Rattus norvegicus]	0.91

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(U67956) coded for by C.	
275	AF030881	Fugu rubripes sushi retrotransposon gag polyprotein (gag) and pol polyprotein (pol) genes, complete cds	0.63	1519696	elegans cDNA yk126f9.5; coded for by C. elegans cDNA yk159h6.3; coded for by C. elegans cDNA yk126f9.3; coded for by C. elegans cDNA yk159h6.5 [Caenorhabditis elegans]	0.38
276	U52909	Arabidopsis thaliana U1 snRNP 70K protein gene, complete cds	0.62	<NONE>	<NONE>	<NONE>
277	AF008192	Homo sapiens putative GR6 protein (GR6) mRNA, complete cds	0.62	3800934	(AF100655) contains similarity to ser/thr protein kinases [Caenorhabditis elegans]	9.7
278	U17081	Human fatty acid binding protein (FABP3) gene, complete cds	0.62	3617848	(AF049709) tyrosylprotein sulfotransferase-A; TPST-A	7.7
279	AB018340	Homo sapiens mRNA for KIAA0797 protein, partial cds	0.62	424044	VP5 protein - porcine rotavirus >gi 61355	7.7
280	Y00093	H.sapiens mRNA for leukocyte adhesion glycoprotein p150,95	0.62	1054945	(U38621) polyprotein [Tobacco vein mottling virus]	4.5
281	M63138	Human cathepsin D (catD) gene, exons 7, 8, and 9.	0.62	136810	GLYCOPROTEIN M >gi 73791 pir WMBE51 UL10 protein - human herpesvirus 1 1-473 [Human herpesvirus 1] >gi 221732 gnl PID d1002131	3.5
282	X76056	N. sylvestris DNA for spacer region between 25S and 18S ribosomal RNA genes	0.62	2661176	(U76671) putative cds [Rhodobacter sphaeroides]	2.0
283	X74501	B.taurus mRNA for ACTH receptor	0.62	4249552	(AB001075) galectin-2 related protein	2.0
284	M57634	Rat F1-ATPase beta subunit mRNA, 3' end.	0.62	2119692	transforming growth factor-beta type III receptor - chicken >gi 511843 (L01121) transforming growth factor-beta type III receptor [Gallus gallus]	1.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					ASPARTYL/ASPARAGINYL	
285	Y15724	Homo sapiens SERCA3 gene, exons 1-7 (and joined CDS)	0.62	2498164	BETA-HYDROXYLASE (ASPARTATE BETA-HYDROXYLASE) (ASP BETA-HYDROXYLASE) (PEPTIDE-ASPARTATE BETA-DIOXYGENASE) beta-dioxygenase (EC 1.14.11.16) - bovine >gi 162694 taurus]	0.52
286	AL010142	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-72, complete sequence	0.62	3183206	HYPOTHETICAL PROTEIN KIAA0009 sapiens]	4e-07
287	AB008160	Mus musculus Stat3 gene, 5'-flanking region and exon 1 partial sequence	0.62	466097	HYPOTHETICAL 63.5 KD PROTEIN ZK353.1 IN CHROMOSOME III >gi 1078903 pir S44654 ZK353.1 protein - Caenorhabditis elegans >gi 289757 (L15313) putative [Caenorhabditis elegans]	1e-35
288	AB018795	Halomonas marina gene for alginate lyase, complete cds	0.62	3877493	(Z48583) similar to ATPases associated with various cellular activities (AAA); cDNA EST EMBL:Z14623 comes from this gene; cDNA EST EMBL:D75090 comes from this gene; cDNA EST EMBL:D72255 comes from this gene; cDNA EST yk200e4...	3e-46
289	Z69906	Human DNA sequence from cosmid E141E2, on chromosome 22, complete sequence [Homo sapiens]	0.61	<NONE>	<NONE>	<NONE>
290	U18259	Human clone CIITA-8 MHC class II transactivator CIITA mRNA, complete cds.	0.61	1483567	(X79983) viral proteinase [Pseudorabies virus]	9.8
291	X98890	S.tuberosum mRNA for inorganic phosphate transporter, StPT1	0.61	475724	(U08884) protein VIII precursor [Bovine adenovirus type 3]	7.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
292	U70825	Rattus norvegicus 5-oxo-L-prolinase mRNA, complete cds	0.61	733543	(U23448) similar to genome polypeptide (SP:POLG_BVDVN, P19711); alternative splicing to C04A2.7a	4.4
293	L81667	Homo sapiens (subclone 2_a9 from P1 H49) DNA sequence	0.61	2565087	(U80759) CAGH4 alternate open reading frame [Homo sapiens]	3.3
294	AE000760	Aquifex aeolicus section 92 of 109 of the complete genome	0.61	2811092	HOMEBOX PROTEIN HOX-A3 (HOX-1.5) homeobox-containing transcription factor [Mus musculus]	2.6
295	U58512	Mus musculus Rho-associated, coiled-coil forming protein kinase p160 ROCK-1 mRNA, complete cds	0.61	295671	(L11275) selected as a weak suppressor of a mutant of the subunit AC40 of DNA dependant RNA polymerase I and III	1.5
296	U27459	Human origin recognition complex protein 2 homolog hORC2L mRNA, complete cds	0.61	200285	(M97900) putative open reading frame [Mus musculus]	0.66
297	L36680	Pisum sativum S-adenosylmethionine synthase mRNA, 3' end.	0.61	2285790	(AB002086) p47 [Rattus norvegicus]	4e-12
298	AE000673	Aquifex aeolicus section 5 of 109 of the complete genome	0.61	3395782	(AF058446) histone macroH2A1.2 [Gallus gallus]	6e-27
299	AF086310	Homo sapiens full length insert cDNA clone ZD51F08	0.61	3646450	(AL031603) conserved hypothetical protein. [Schizosaccharomyces pombe]	8e-29
300	AJ009675	Agrotis ipsilon mRNA for 3-hydroxy-3-methylglutaryl coenzyme A reductase	0.61	4176370	(AC005058) similar to calcium-independent phospholipase A2; similar to AC004392 (PID:g3367519) [Homo sapiens]	2e-73
301	AC005577	Homo sapiens chromosome 19, cosmid F18382B, centromeric end, complete sequence [Homo sapiens]	0.60	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Candida albicans				
302	U40454	topoisomerase type I (CATOP1) gene, complete cds	0.60	<NONE>	<NONE>	<NONE>
303	J01390	Emericella nidulans mtDNA between h2/h5 and bh2/b2 junctions. genes for ATPase subunit 6, cytochrome oxidase subunit 3, seven. unidentified proteins, twentyfour tRNA's and L-rRNA.	0.60	<NONE>	<NONE>	<NONE>
304	L11172	Plasmodium falciparum RNA polymerase I gene, complete cds.	0.60	<NONE>	<NONE>	<NONE>
305	Z81079	Caenorhabditis elegans cosmid F39H11, complete sequence [Caenorhabditis elegans]	0.60	<NONE>	<NONE>	<NONE>
306	Z49627	S.cerevisiae chromosome X reading frame ORF YJR127c	0.60	118751	MAJOR DNA-BINDING PROTEIN herpesvirus 1 (strain 11) >gi 60327 (X64346) major ssDNA-binding protein [Saimiriine herpesvirus 2]	9.6
307	U94911	Rattus norvegicus H-K-ATPase alpha 2 gene, alternatively spliced products and partial cds	0.60	2213862	(AF003086) PfSNF2L [Plasmodium falciparum]	7.4
308	U67476	Methanococcus jannaschii section 18 of 150 of the complete genome	0.60	1749688	(D89240) unnamed protein product	5.7
309	U67513	Methanococcus jannaschii section 55 of 150 of the complete genome	0.60	3327421	(U97068) zonadhesin [Mus musculus]	4.3
310	U57817	Haemophilus ducreyi lipoprotein gene, complete cds	0.60	4008577	(AL034491) conserved hypothetical protein [Schizosaccharomyces pombe]	2.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					probable protein-tyrosine kinase (EC 2.7.1.112) RTK - Pacific electric ray >gi 290858	1.5
311	X80700	H.sapiens G17 gene	0.60	422541	(AF033823) moira [Drosophila melanogaster]	0.51
312	L42167	Mus musculus (clone R24) rds gene, partial cds	0.60	4220848	(AF031087) mismatch repair protein MSH6 [Mus musculus]	5e-07
313	U54777	Human hMSH6 mRNA, complete cds	0.60	2665637	(U97006) No definition line found [Caenorhabditis elegans]	2e-07
314	D86985	Human mRNA for KIAA0232 gene, complete cds	0.60	1938462	(U55376) coded for by C. elegans cDNA cm21e6; coded for by C. elegans cDNA cm01e2; similar to melibiose carrier protein (thiomethylgalactoside permease II)	5e-15
315	D43964	Rat liver mRNA for Kan-1, complete cds	0.60	1280135	(U37500) RNA polymerase II largest subunit [Mus musculus]	1e-19
316	U49058	Rattus norvegicus CTD-binding SR-like protein rA4 mRNA, partial cds	0.60	2145091	(Z70205) predicted using Genefinder	2e-37
317	X84388	U.ruddi mitochondrial 12S ribosomal RNA	0.60	3874247	<NONE>	<NONE>
318	AF125447	Caenorhabditis elegans cosmid Y14H12B	0.59	<NONE>	<NONE>	<NONE>
319	U20189	Hyoscyamus muticus clone cVS2 vetispiradiene synthase mRNA, partial cds.	0.59	<NONE>	<NONE>	<NONE>
320	M63962	Human gastric H,K-ATPase catalytic subunit gene, complete cds.	0.59	<NONE>	<NONE>	<NONE>
321	AJ132366	Helicobacter pylori (strain P1) comB and pmi/algA (partial) genes, and partial ORF1 and ORF2	0.59	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus				
322	U17289	transcription factor AP-2 (AP-2) gene, alternative exon 1a, and isoform 2, partial cds.	0.59	2459419	(AC002332) hypothetical protein [Arabidopsis thaliana]	9.4
323	Z71466	S.cerevisiae chromosome XIV reading frame ORF YNL190w	0.59	3875542	(Z67990) Similarity to Rat amiloride-sensitive sodium channel beta-subunit	7.3
324	Z66493	Beet soil-borne virus genes for 13K, 22K and 48K proteins	0.59	2119867	cryV465 protein - Bacillus thuringiensis thuringiensis]	7.2
325	L41351	Homo sapiens prostatic mRNA, complete cds	0.59	729212	CRYSTALLIN J1C crystallin [Tripedalia cystophora]	4.2
326	X79854	S.lincolnensis gene for 16S ribosomal RNA	0.59	3702828	(AF056577) high mobility group protein 1.2	3.2
327	AJ223356	Strongylocentrotus purpuratus mRNA for SuDp98 protein	0.59	2495704	HYPOTHETICAL PROTEIN KIAA0129 product is novel. [Homo sapiens]	2.5
328	X86019	H.sapiens mRNA for PRPL-2 protein	0.59	1743341	(Y10027) transcription factor TEF-1 [Mus musculus]	2.5
329	U75528	Xiphias gladius creatine kinase gene, partial cds	0.59	1845995	(U69477) envelope glycoprotein [Human immunodeficiency virus type 1]	2.4
330	AC005573	Homo sapiens chromosome 5, PAC clone 202e13	0.59	2506366	DNA POLYMERASE EPSILON SUBUNIT B DNA-directed DNA polymerase (EC 2.7.7.7) II chain B - yeast (Saccharomyces cerevisiae) >gi 786319 (U25842) DNA Polymerase epsilon, subunit B (Swiss Prot. accession number P24482) [Saccharomyces cerevisiae]	1.4
331	L19180	Rat receptor-linked protein tyrosine phosphatase	0.59	1235974	(X96713) collagen [Globodera pallida]	1.1
332	L32090	Listeria monocytogenes secA gene, complete cds.	0.59	2291129	(AF016415) No definition line found [Caenorhabditis elegans]	0.83

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Xenopus laevis			(AL031124) hypothetical	
333	U24433	syndecan-2 mRNA, complete cds.	0.59	3355692	protein SC1C2.25c [Streptomyces coelicolor]	0.64
334	M23412	Drosophila muscarinic acetylcholine receptor mRNA, complete cds.	0.59	168237	(M76546) hydroxyproline-rich protein [Helianthus annuus]	0.22
335	AF060729	Synaphea media chloroplast atpB-rbcL intergenic spacer region, partial sequence	0.59	731596	HYPOTHETICAL 67.5 KD PROTEIN IN PRPS4-STE20 INTERGENIC REGION >gi 626567 pir S46825 hypothetical protein YHL010c - yeast (Saccharomyces cerevisiae) >gi 2289881 (U11582) No definition line found [Saccharomyces cerevisiae]	0.16
336	AF029734	Xanthobacter autotrophicus transcriptional activator AldR (aldR) gene, partial cds; and NAD-dependent chloroacetaldehyde dehydrogenase (aldB) gene, complete cds	0.59	2498801	PERIAXIN >gi 2143901 pir I58157 periaxin - rat >gi 505297 (Z29649) periaxin [Rattus norvegicus]	0.13
337	X95307	C.reinhardtii LI818r-1 gene	0.59	1723781	HYPOTHETICAL 34.3 KD PROTEIN IN TAF145-YOR1 INTERGENIC REGION >gi 2131717 pir S64612 hypothetical protein YGR277c - yeast (Saccharomyces cerevisiae) >gi 1323505 gnl PID e243248 (Z73062) ORF YGR277c [Saccharomyces cerevisiae]	1e-04
338	M24572	Dictyostelium discoideum tRNA-Glu-GAA gene, clone yGluGAA8.	0.59	1176186	HYPOTHETICAL 43.3 KD GTP-BINDING PROTEIN IN DACB-RPMA INTERGENIC REGION >gi 606121 coli]	3e-06
339	U73733	Human hMSH6 gene, exon 2	0.59	2665637	(AF031087) mismatch repair protein MSH6 [Mus musculus]	5e-07

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Escherichia coli				
340	D90747	genomic DNA. (25.2 - 25.6 min)	0.59	134286	DOLICHOL KINASE	6e-08
341	J05211	Human desmoplakin mRNA, 3' end.	0.59	246796	major centromere protein, CENP-B [human, Peptide, 594 aa]	4e-08
342	L24441	Loligo pealii kinesin light chain mRNA, complete cds.	0.59	547800	KINESIN LIGHT CHAIN (KLC) sea urchin (Strongylocentrotus purpuratus) >gi 161530	5e-14
343	M25140	Human cardiac alpha-myosin heavy chain (MYH6) gene, exons 2, 3 and 4.	0.58	<NONE>	<NONE>	<NONE>
344	L81932	Homo sapiens (subclone 9_h2 from P1 H21) DNA sequence	0.58	<NONE>	<NONE>	<NONE>
345	AF087966	Homo sapiens full length insert cDNA clone YU51G04	0.58	<NONE>	<NONE>	<NONE>
346	Z78574	H.sapiens flow-sorted chromosome 6 TaqI fragment, SC6pA10G11	0.58	<NONE>	<NONE>	<NONE>
347	AF068061	Blattella germanica allatostatin neuropeptide precursor, gene, complete cds	0.58	<NONE>	<NONE>	<NONE>
348	AF015592	Homo sapiens Cdc7 (CDC7) mRNA, complete cds	0.58	<NONE>	<NONE>	<NONE>
349	AF028006	Methanosarcina barkeri atp operon: ATP synthase beta subunit (atpD), ATP synthase epsilon subunit (atpC), ATP synthase gene 1 (atpI), ATP synthase a subunit subunit (...)	0.58	3184291	(AC004136) putative DNA polymerase III gamma subunit	9.4
350	AB017032	Mus musculus gene for pancreatic trypsin, complete cds	0.58	3170561	(AF056704) synapsin IIIa [Rattus norvegicus]	9.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Dictyostelium				
351	AF081585	discoideum developmental protein DG1110 (DG1110) gene, partial cds	0.58	105417	basic proline-rich peptide IB-8a-human	9.2
352	AF086322	Homo sapiens full length insert cDNA clone ZD53E01	0.58	93026	hypothetical protein - African swine fever virus (strain Malawi Lil-20/1) >gi 450758 (X71982) myeloid differentiation antigen homologue [African swine fever virus] >gi 903686 (M95672) unknown protein	7.1
353	AF088025	Homo sapiens full length insert cDNA clone ZC19C04	0.58	2384644	(U92805) thrombospondin-3 [Xenopus laevis]	7.0
354	AB002339	Human mRNA for KIAA0341 gene, partial cds	0.58	2135587	M130 antigen (cytosolic variant 2) - human	5.4
355	U67548	Methanococcus jannaschii section 90 of 150 of the complete genome	0.58	2911094	(AL021957) hypothetical protein Rv2174	4.2
356	L07868	Homo sapiens receptor tyrosine kinase (ERBB4) gene, complete cds.	0.58	461922	PYRUVATE DECARBOXYLASE (8-10 NM CYTOPLASMIC FILAMENT-ASSOCIATED PROTEIN) (P59NC) 4.1.1.1 - Neurospora crassa >gi 293948 (L09125) pyruvate decarboxylase [Neurospora crassa] >gi 1655909	4.2
357	X03897	Bacillus subtilis sigma 43 operon with P23-dnaE-rpoD genes (dnaE for DNA primase, rpoD for RNA polymerase)	0.58	1323704	(U55387) similar to C. elegans F38E1.9 gene product encoded by GenBank Accession Number U41996 [Cricetulus griseus]	4.1
358	D76419	Desulfovibrio vulgaris rbo gene for desulfoferrodoxin and rub gene for rubredoxin, complete cds	0.58	3420047	(AC004680) putative protein kinase [Arabidopsis thaliana]	2.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human DNA				
359	Z82174	sequence from cosmid B20F6 on chromosome 22, complete sequence [Homo sapiens]	0.58	2145455	(Y07866) catalase-peroxidase	2.4
360	M33642	F.solani ST135 protein gene, complete cds.	0.58	2896706	(AL021897) hypothetical protein Rv1069c	2.4
361	U64873	Mus musculus transforming growth factor alpha (TGF alpha) gene, partial cds	0.58	3874437	(Z81038) predicted using Genefinder; cDNA EST yk488a2.5 comes from this gene [Caenorhabditis elegans]	1.8
362	AB002132	Macrophthalmus banzai mitochondrial DNA for 12S and 16S rRNA, partial and complete sequence	0.58	2960022	(AJ224676) rho type GEF [Drosophila melanogaster]	1.8
363	AF070070	Caenorhabditis elegans MutS homolog (msh-5) mRNA, partial cds	0.58	4098205	(U75869) Omp22 [Helicobacter pylori]	1.8
364	AF045240	Staphylococcus epidermidis plasmid pIP1629 mobilization protein (mobC1), (orf69-1), (mobA1),	0.58	4218117	(AL035353) protein (fragment)	0.62
365	X61637	H.sapiens Wilms tumor gene 1, exons 8 and 9	0.58	2331059	(U88211) unknown [Gallus gallus]	0.62
366	AF039312	Moraxella catarrhalis strain 4223 transferrin binding protein A (tbpA) and transferrin binding protein B (tbpB) genes, complete cds; and unknown gene	0.58	120155	FIBER PROTEIN >gi 74229 pir ERADFM fiber protein - mouse adenovirus 1 >gi 209758 (M30594) fiber protein [Mastadenovirus mus1]	0.27
367	D87463	Human mRNA for KIAA0273 gene, complete cds	0.58	3861477	(U94177) androgen receptor [Pan troglodytes]	0.12
368	U40342	Mus musculus ninein mRNA, complete cds.	0.58	4115936	(AF118223) No definition line found [Arabidopsis thaliana]	0.004

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
369	S57235	CD68=110kda transmembrane glycoprotein [human, promonocyte cell line U937, mRNA, 1722 nt]	0.58	2072501	(U96113) WWP1 [Homo sapiens]	1e-04
370	U39391	Mus musculus serotonin1A receptor mRNA, complete cds.	0.58	1469876	(D63481) The KIAA0147 gene product is related to adenylyl cyclase. [Homo sapiens]	1e-07
371	D00056	Monkey B-lymphotropic papovavirus genes for VP-1, 2, 3 and large T antigen, complete and partial cds, strain LPV-76 > :: gb M14494 PPMVP1 M Monkey B-lymphotropic papovavirus mutant (LPV-76) PstI B fragment encoding VP1, VP2, VP3 and T-antigen.	0.58	2462069	(AJ001774) vanadium chloroperoxidase	1e-08
372	M77182	Amsacta entomopoxvirus spheroidin gene, complete cds, and four vaccinia related orfs. > :: gb I16670 I16670 Sequence 1 from patent US 5476781	0.58	1730722	HYPOTHETICAL 43.8 KD PROTEIN IN NCE3-HHT2 INTERGENIC REGION >gi 2131871 pir S62957 hypothetical protein YNL035c - yeast (Saccharomyces cerevisiae) >gi 1301880 gnl PID e239670 (Z71311) ORF YNL035c [Saccharomyces cerevisiae]	8e-14
373	S72579	iglou-S=growth-associated protein GAP-43 homolog	0.58	2689720	(AF037168) DnaJ homologue [Arabidopsis thaliana]	7e-14
374	AF018165	Tetraodon fluviatilis amyloid precursor protein mRNA, complete cds	0.58	3219938	HYPOTHETICAL 34.9 KD PROTEIN C57A10.11C IN CHROMOSOME I >gi 2058378 gnl PID e314002 pombe]	5e-22

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
375	U81803	Filobasidiella neoformans translation elongation factor EF1-alpha (CnTEF1) mRNA, complete cds	0.57	<NONE>	<NONE>	<NONE>
376	U09781	Candida albicans ATCC 18804, CBS 562 peptide transporter gene, complete cds.	0.57	<NONE>	<NONE>	<NONE>
377	AC002143	Homo sapiens (subclone 4_b10 from BAC H102) DNA sequence	0.57	<NONE>	<NONE>	<NONE>
378	U23442	Tetrahymena thermophila RR internal deletion sequence.	0.57	<NONE>	<NONE>	<NONE>
379	U17289	Mus musculus transcription factor AP-2 (AP-2) gene, alternative exon 1a, and isoform 2, partial cds.	0.57	<NONE>	<NONE>	<NONE>
380	X70844	Buzura suppressaria nuclear polyhedrosis virus gene for polyhedrin protein	0.57	<NONE>	<NONE>	<NONE>
381	AJ012159	Homo sapiens 5T4 oncofetal trophoblast glycoprotein gene	0.57	<NONE>	<NONE>	<NONE>
382	X76571	H.sapiens simple DNA sequence region clone wg1a8.	0.57	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
383	AF034434	<i>Vibrio cholerae</i> pathogenicity island, putative transposase, aldehyde dehydrogenase (aldA), toxR-activated gene A protein (tagA), putative inner membrane protein, and putative zinc metalloprotease genes, complete cds; and...	0.57	<NONE>	<NONE>	<NONE>
384	AB017031	<i>Mus musculus</i> gene for TESP4, complete cds	0.57	<NONE>	<NONE>	<NONE>
385	X89788	<i>S.hispidus</i> mitochondrial DNA for SSU ribosomal RNA gene	0.57	<NONE>	<NONE>	<NONE>
386	L16921	Rat progesteron receptor gene, 5' untranslated region.	0.57	3323116	(AE001251) femA protein, putative [<i>Treponema pallidum</i>]	8.9
387	AF027292	Homo sapiens interferon regulatory factor 6	0.57	259790	(S48157) DNA polymerase-primase 180 kda subunit [<i>Drosophila melanogaster</i> , Peptide, 1490 aa]	6.7
388	AJ012581	<i>Cicer arietinum</i> mRNA for cytochrome P450	0.57	2131498	hypothetical protein YDR446w - yeast CAI: 0.11 [<i>Saccharomyces cerevisiae</i>]	5.3
389	L15363	Human transfer RNA-Met (TRMEP1) pseudogene, complete gene	0.57	3228680	(AF070935) GABA receptor subunit [<i>Musca domestica</i>]	5.2
390	AE000525	<i>Helicobacter pylori</i> 26695 section 3 of 134 of the complete genome	0.57	1938478	(U97008) weak similarity to family 1 of G-protein coupled receptors [<i>Caenorhabditis elegans</i>]	4.0
391	AF020189	<i>Amblyomma americanum</i> ecdysteroid receptor (AamEcR) mRNA, 3'UTR, region 1	0.57	2072224	(U94875) p40 [Borna disease virus]	4.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human UbA52 gene				
392	X56997	coding for ubiquitin-52 amino acid fusion protein	0.57	2960113	(AL022121) hypothetical protein Rv3689	4.0
393	AL010260	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-81, complete sequence	0.57	117233	CYTOCHROME P450 2C14 (CYPIIC14) phenobarbital-inducible, hepatic - rabbit P-450 [Oryctolagus cuniculus] >gi 358265 prf 1306317A cytochrome P450 [Oryctolagus cuniculus]	3.9
394	M99581	Xenopus laevis gamma-crystallin (gcry3) gene, complete cds.	0.57	141647	GASTRULA ZINC FINGER PROTEIN XLCGF44.2 >gi 85736 pir S06571 finger protein (clone XlcGF44-2) - African clawed frog (fragment)	3.0
395	M38384	Drosophila melanogaster seven in absentia mRNA, complete cds.	0.57	1707127	(U80454) T16A1.1 [Caenorhabditis elegans]	3.0
396	U32795	Haemophilus influenzae Rd section 110 of 163 of the complete genome	0.57	1173433	IRON(III)-TRANSPORT SYSTEM PERMEASE PROTEIN SFUB >gi 152861 (M33815) protein (sufB)	2.3
397	X12600	Klebsiella pneumoniae nifX, nifU, nifS, nifV and nifW genes	0.57	2909562	(AL021925) hypothetical protein Rv2256c	1.4
398	AB014526	Homo sapiens mRNA for KIAA0626 protein, complete cds	0.57	482390	insect-stage-specific protein - Trypanosoma cruzi >gi 162099 (M65021) insect stage-specific antigen	0.61
399	AF063587	Rhodococcus fascians strain NRRL-B-15096 hypothetical protein gene, complete cds	0.57	4104321	(AF034582) vesicle associated protein [Rattus norvegicus]	0.46
400	L11117	Guinea pig estrone sulfotransferase gene.	0.57	82584	alpha/beta-gliadin precursor (clone A212) - wheat	0.35

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
401	V00829	Mouse complete gene for a mouse kallikrein gene. Genes are mGK1 (complete gene) and mGK-2 of hormones, e.g., grow... > :: gb J00390 MUSKAL07 Mouse pseudo-kallikrein 2, exons 4 and 5, and kallikrein 1 gene, complete cds.	0.57	2500916	NUCLEAR HORMONE RECEPTOR NOR-2 receptor [Rattus norvegicus] >gi 1583604 prf 2121281A NOR-2 protein [Rattus norvegicus]	0.20
402	X53092	Chicken mRNA for beta-2 subunit of neuronal nicotinic acetylcholine receptor	0.57	1072256	(U40953) similar to matrin F/G (SP:Q00910) containing C4-type zinc-fingers [Caenorhabditis elegans]	0.031
403	L07939	Ovis ovis granulocyte colony stimulating factor	0.57	3874345	(Z81035) predicted using Genefinder; Similarity to dehydrogenases; cDNA EST EMBL:D65800 comes from this gene; cDNA EST EMBL:D76184 comes from this gene; cDNA EST EMBL:D69322 comes from this gene; cDNA EST EMBL:C08158 comes f...	3e-07
404	U18061	Colletotrichum gloeosporioides CAP20 (cap20) gene, complete cds.	0.57	2914695	(AC003974) putative ubiquitin specific protease	9e-08
405	Z73955	L.japonicus mRNA for small GTP-binding protein, RAB11G	0.57	112894	TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 3 (PUTATIVE DNA BINDING PROTEIN A20) (ZINC FINGER PROTEIN A20) >gi 107549 pir A35797 probable DNA-binding protein A20 - human >gi 177866 (M59465) A20	7e-08

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
406	X04335	Petunia grp-1 gene for glycine-rich protein	0.57	3876901	(Z77660) Similarity to Human enoyl-CoA hydratase (SW:ECHM_HUMAN); cDNA EST EMBL:T00611 comes from this gene; cDNA EST yk203d10.3 comes from this gene; cDNA EST yk203d10.5 comes from this gene; cDNA EST yk457h5.3 comes from t...	1e-27
407	U40718	Rattus norvegicus S-adenosylmethionine decarboxylase (AMDP2) pseudogene	0.56	<NONE>	<NONE>	<NONE>
408	M60318	S.cerevisiae SSD1 protein gene, complete cds. > :: gb AR013983 AR013983 Sequence 8 from patent US 5773245	0.56	<NONE>	<NONE>	<NONE>
409	X60057	Nicotiana tabacum blp4 mRNA for luminal binding protein (BiP)	0.56	<NONE>	<NONE>	<NONE>
410	AF085930	Homo sapiens full length insert cDNA clone YR55A09	0.56	<NONE>	<NONE>	<NONE>
411	AL010189	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-102, complete sequence	0.56	<NONE>	<NONE>	<NONE>
412	X05402	Murine G-CSF gene for granulocyte colony stimulating factor precursor	0.56	<NONE>	<NONE>	<NONE>
413	U92280	Rattus norvegicus regulator of G-protein signalling 12 (RGS12) mRNA, complete cds	0.56	<NONE>	<NONE>	<NONE>
414	U85660	Human papillomavirus strain RTRX7 complete genome	0.56	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
415	X57626	M. javanica mitochondrion ATPase 6, and putative tRNA-f-Met and tRNA-His genes	0.56	<NONE>	<NONE>	<NONE>
416	AB003363	Sus scrofa S100C gene, complete cds	0.56	<NONE>	<NONE>	<NONE>
417	L42291	Danio rerio DANA element, intron 4.	0.56	2650002	(AE001062) conserved hypothetical protein [Archaeoglobus fulgidus]	8.7
418	AF031826	Mus musculus leukocystatin gene, complete cds	0.56	462493	L-LACTATE DEHYDROGENASE (IMMUNOGENIC PROTEIN P36) >gi 479296 pir S33362 L-lactate dehydrogenase (EC 1.1.1.27) - Mycoplasma hyopneumoniae	6.7
419	U17068	Pennisetum glaucum Ac-like element, AcL2.	0.56	399449	ESCARGOT/SNAIL PROTEIN HOMOLOG	6.7
420	Z48042	H.sapiens mRNA encoding GPI-anchored protein p137	0.56	141232	HYPOTHETICAL 8.7 KD PROTEIN (READING FRAME D) >gi 76316 pir QQSA7C hypothetical protein E-74	6.7
421	AF027657	Choristoneura fumiferana entomopoxvirus nucleotide triphosphate phosphohydrolase I (NPHI) gene, complete cds	0.56	464999	PUTATIVE ACETYLCHOLINE REGULATOR UNC-18 >gi 480359 pir S36747 acetylcholine regulator unc-18 - Caenorhabditis elegans >gi 247392 bbs 100294 putative acetylcholine regulator unc-18	5.1
422	AB011540	Homo sapiens mRNA for MEGF7, partial cds	0.56	1718033	URACIL-DNA GLYCOSYLASE (UDG) herpesvirus 2 >gi 695219 (U20824) uracil DNA glycosylase	5.1
423	X59941	X.maculatus NGF gene for nerve growth factor	0.56	1169081	COMMON PLANT REGULATORY FACTOR CPRF-1 >gi 515621 (X58575) light-inducible protein CPRF-1 [Petroselinum crispum] >gi 1498301 (U46217) CPRF1	3.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
424	M72711	Rat transcriptional repressor of myelin-specific genes (SCIP) mRNA, complete cds.	0.56	501027	(U01849) ORF2 [Trypanosoma brucei]	2.3
425	AL023850	Caenorhabditis elegans cosmid Y67D11A, complete sequence [Caenorhabditis elegans]	0.56	266771	CHORISMATE MUTASE (CM) / PREPHENATE DEHYDRATASE (PDT) (P-PROTEIN) >gi 281791 pir S26053 chorismate mutase (EC 5.4.99.5) P / prephenate dehydratase (EC 4.2.1.51) - Erwinia herbicola >gi 43344	2.3
426	U47862	Schistosoma mansoni gynecophoral canal protein mRNA, complete cds	0.56	2147138	ATP synthase chain 6 - Platymonas subcordiformis mitochondrion >gi 633582 (Z47797) ATP synthase subunit 6 [Platymonas subcordiformis]	2.3
427	V00574	Human germ line gene homologous to bladder carcinoma oncogene T24 (Gene code c-Ha-ras-1) with four exons.	0.56	1518672	(U60289) receptor protein tyrosine phosphatase psi [Homo sapiens]	1.7
428	Z71502	X.laevis H1(0)-1 gene	0.56	1651674	(D90899) ferrichrome-iron receptor	1.3
429	M37278	R.norvegicus renin gene, exons 1-9.	0.56	2853019	(AF045141) putative serine proteinase [Scirpophaga incertulas]	1.0
430	D28878	Thermus thermophilus polA gene for thermostable DNA polymerase I, complete cds	0.56	3659692	(AF068748) sphingosine kinase [Mus musculus]	0.77
431	Z15027	H.sapiens HLA class III DNA	0.56	1304141	(D43758) fibrinogen A-alpha-chain	0.76
432	M14362	Human T-cell surface antigen CD2 (T11) mRNA, complete cds.	0.56	2462979	(Y11915) Tenascin-X [Bos taurus]	0.59
433	Z50801	Z.mays mRNA for chlorophyll a/b-binding protein CP29	0.56	109677	collagen alpha 1(I) chain - mouse >gi 50487	0.50

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					HYPOTHETICAL 86.0 KD	
434	Z38114	S.cerevisiae chromosome XIII cosmid 9745	0.56	140372	PROTEIN IN GLK1-SRO9 INTERGENIC REGION >gi 83159 pir S19367 hypothetical protein YCL039w - yeast (Saccharomyces cerevisiae)	0.35
435	AF052254	Escherichia coli DNA gyrase A (gyrA) gene, partial cds	0.56	2724126	(AF038535) synaptotagmin VII [Homo sapiens]	0.12
436	AF080649	Tegula pulligo 12S small subunit ribosomal RNA gene, mitochondrial gene for mitochondrial RNA, partial sequence	0.56	3913223	CYCLIN-DEPENDENT KINASE INHIBITOR 1 p21/WAF1 [Felis catus]	0.11
437	AJ005690	Danio rerio mRNA for protein tyrosine kinase	0.56	2623830	(AF030962) unknown [Schistosoma mansoni]	7e-06
438	U31202	Human noggin (NOGGIN) gene, complete cds.	0.56	3875475	(Z78411) F02D8.3 [Caenorhabditis elegans]	1e-06
439	X51695	Ovis sp. trichohyalin mRNA, partial	0.56	3386622	(AC004665) unknown protein [Arabidopsis thaliana]	1e-10
440	U28938	Rattus norvegicus protein tyrosine phosphatase D30 mRNA, complete cds	0.56	3293547	(AF072709) putative oxidoreductase [Streptomyces lividans]	1e-14
441	AE001171	Borrelia burgdorferi (section 57 of 70) of the complete genome	0.56	2315521	(AF016452) similar to the beta transducin family	4e-16
442	AF036685	Caenorhabditis elegans cosmid C05B10	0.56	1519671	(U67951) contains similarity to ATP/GTP-binding site motif (PS:PS00017) [Caenorhabditis elegans]	6e-20
443	X01173	Xenopus laevis vitellogenin gene A1 5' flanking region	0.56	1118102	(U41558) K02B2.3 gene product [Caenorhabditis elegans]	2e-31
444	D10911	Mus musculus DNA for MS2 protein, complete cds	0.55	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Rice mRNA EN117,				
445	D30010	partial sequence	0.55	<NONE>	<NONE>	<NONE>
446	U51991	Escherichia coli phosphoprotein phosphatase	0.55	<NONE>	<NONE>	<NONE>
447	M18858	Mouse T cell receptor C-gamma-7.1 mRNA, 3' end.	0.55	<NONE>	<NONE>	<NONE>
448	U95218	Homo sapiens T cell-death associated protein gene, complete cds	0.55	<NONE>	<NONE>	<NONE>
449	M14948	Human R-ras gene, exon 1.	0.55	<NONE>	<NONE>	<NONE>
450	AB002353	Human mRNA for KIAA0355 gene, complete cds	0.55	<NONE>	<NONE>	<NONE>
451	L81689	Homo sapiens (subclone 1_d6 from P1 H54) DNA sequence	0.55	<NONE>	<NONE>	<NONE>
452	M68955	Human myristoylated alanine-rich C-kinase substrate (MACS) gene, 5' end.	0.55	3322710	(AE001220) V-type ATPase, subunit B (atpB-1) [Treponema pallidum]	5.0
453	X62953	R.norvegicus mRNA (pJG116) with repetitive elements	0.55	1076802	extensin-like protein - maize >gi 600118 mays]	5.0
454	L34630	Synechocystis sp. mntABC transporter system: periplasmic-binding protein (mntC), complete cds; (mntA) gene, complete cds; membrane protein (mntB) gene, complete cds.	0.55	2117632	hydrogen dehydrogenase (EC 1.12.1.2) - Clostridium acetobutylicum >gi 557064 (U15277) hydrogenase I [Clostridium acetobutylicum]	5.0
455	U43521	Plasmodium berghei merozoite surface protein-1 gene, complete cds	0.55	127654	MYOGLOBIN	4.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
456	Z64937	H.sapiens CpG DNA, clone 17g7, reverse read cpg17g7.rtl.a .	0.55	417298	MFS18 PROTEIN PRECURSOR	3.8
457	U10914	Macaca mulatta clone irh83 T-cell receptor alpha chain mRNA, partial cds.	0.55	310406	(L09212) tat protein [Simian immunodeficiency virus] virus]	3.8
458	AF022838	Homo sapiens multidrug resistance protein	0.55	1585251	traB gene [Amycolatopsis methanolica]	2.8
459	M35603	Mouse Hox-3.1 gene and Hox-3.2-Hox-3.1 intergenic region.	0.55	818849	(U25430) nucleotide pyrophosphatase precursor [Oryza sativa]	2.0
460	AE001395	Plasmodium falciparum chromosome 2, section 32 of 73 of the complete sequence	0.55	137532	PROTEIN C2 >gi 74386 pir WZVZB6 59K HindIII-C protein - vaccinia virus (strain WR)	1.7
461	AE001395	Plasmodium falciparum chromosome 2, section 32 of 73 of the complete sequence	0.55	137532	PROTEIN C2 >gi 74386 pir WZVZB6 59K HindIII-C protein - vaccinia virus (strain WR)	1.7
462	U59736	Human transcription factor (NFATc.b) mRNA, complete cds	0.55	3327144	(AB014565) KIAA0665 protein [Homo sapiens]	0.096
463	U34860	Saccharomyces cerevisiae origin recognition complex large subunit (ORC1) gene, complete cds	0.55	140372	HYPOTHETICAL 86.0 KD PROTEIN IN GLK1-SRO9 INTERGENIC REGION >gi 83159 pir S19367 hypothetical protein YCL039w - yeast (Saccharomyces cerevisiae)	0.017
464	AF012341	Homo sapiens glutaryl-CoA dehydrogenase (GCDH) gene, exons 6, 7, 8, 9, and 10	0.55	1166611	(U46674) coded for by C. elegans cDNA yk27d9.5; coded for by C. elegans cDNA yk27d9.3; short region of weak homology to drosophila suppressor of sable protein	0.008

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		HIV-1 isolate Q98-				
465	AF004891	CxA from Kenya, envelope glycoprotein C2V3 region (env) gene, partial cds	0.54	<NONE>	<NONE>	<NONE>
466	Y10159	D.discoideum racGAP gene	0.54	<NONE>	<NONE>	<NONE>
467	AB001895	Homo sapiens mRNA for B120, complete cds	0.54	<NONE>	<NONE>	<NONE>
468	X12357	Bovine gene for aspartyl protease NM1 exons 3 and 4 >:: lcl X12357 Bovine aspartyl protease NM1 gene, exons 3 and 4.	0.54	<NONE>	<NONE>	<NONE>
469	AE001151	Borrelia burgdorferi (section 37 of 70) of the complete genome	0.54	<NONE>	<NONE>	<NONE>
470	X92052	H.sapiens mRNA for T cell receptor alpha chain	0.54	<NONE>	<NONE>	<NONE>
471	U00938	Mus musculus ileal lipid-binding protein gene, complete cds	0.54	1009712	(U27698) calreticulin [Arabidopsis thaliana]	4.9
472	X68367	M.thermoformicum complete plasmid pFZ1 DNA	0.54	125272	CASEIN KINASE II, ALPHA CHAIN (CK II) >gi 419938 pir A43297 casein kinase II (EC 2.7.1.-) alpha chain - Theileria parva >gi 161871 (M92084) casein kinase II alpha subunit [Theileria parva]	4.7
473	Z61098	H.sapiens CpG DNA, clone 44c4, reverse read cpg44c4.rt1a .	0.54	4191274	(AJ131094) Xvent-1B protein [Xenopus laevis]	3.7
474	M63962	Human gastric H,K-ATPase catalytic subunit gene, complete cds.	0.54	3881648	(Z70757) similar to serine protease inhibitor [Caenorhabditis elegans]	3.7
475	X86019	H.sapiens mRNA for PRPL-2 protein	0.54	1648828	(D87963) ETF-related factor-1 (ETFR-1)	2.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		S.glaucescens genes				
476	X89010	strU, strX, strV and strW for 5'- hydroxystreptomycin production and transport polypeptides	0.54	3550345	(AF084524) cellular repressor of E1A-stimulated genes CREG [Mus musculus]	0.25
477	AB007836	Homo sapiens mRNA for Hic-5, partial cds	0.54	1097213	ORF 1 [Streptomyces lavendulae]	0.15
478	U32622	Comamonas testosteroni TsaR (tsaR), toluenesulfonate methyl- monooxygenase oxygenase component component (tsaB), toluenesulfonate zinc- independent alcohol dehydrogenase...	0.54	3875351	(Z96047) DY3.6 [Caenorhabditis elegans]	0.006
479	D61394	Arabidopsis thaliana gene for beta-VPE, complete cds	0.53	<NONE>	<NONE>	<NONE>
480	D61394	Arabidopsis thaliana gene for beta-VPE, complete cds	0.53	<NONE>	<NONE>	<NONE>
481	Z33072	M.capricolum DNA for CONTIG MC097	0.53	<NONE>	<NONE>	<NONE>
482	U45975	Human phosphatidylinositol (4,5)bisphosphate 5- phosphatase homolog mRNA, partial cds.	0.53	<NONE>	<NONE>	<NONE>
483	Z71324	S.cerevisiae chromosome XIV reading frame ORF YNL048w	0.53	2135586	M130 antigen (cytosolic variant 1) - human	2.1
484	L32090	Listeria monocytogenes secA gene, complete cds.	0.53	2291129	(AF016415) No definition line found [Caenorhabditis elegans]	0.70

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus mRNA				
485	D86423	for HGT keratin, partial cds	0.53	1235974	(X96713) collagen [Globodera pallida]	0.41
486	Y15969	Mus musculus V kappa 21-6 gene, partial	0.52	<NONE>	<NONE>	<NONE>
487	M27480	Mus musculus (clone 3F9) transcribed germline T cell receptor gamma chain (Tcr-g) mRNA, VJ4 C4 region.	0.52	3875542	(Z67990) Similarity to Rat amiloride-sensitive sodium channel beta-subunit	4.6
488	D87004	Human (lambda) DNA for immunoglobulin light chain	0.52	1766073	(U37272) winged helix protein CWH-1 [Gallus gallus]	3.5
489	Z99704	Human DNA sequence from cosmid E75B8 on chromosome 22, complete sequence [Homo sapiens]	0.51	<NONE>	<NONE>	<NONE>
490	U76523	Sambucus nigra lectin precursor mRNA, complete cds	0.51	<NONE>	<NONE>	<NONE>
491	U32795	Haemophilus influenzae Rd section 110 of 163 of the complete genome	0.50	<NONE>	<NONE>	<NONE>
492	M14602	Human myoglobin gene, exon 2.	0.49	478384	helicase homolog g10L protein - African swine fever virus >gi 414091 (X72951) G10L 125 KDa protein	7.0
493	D87075	Human mRNA for KIAA0238 gene, partial cds	0.24	1938429	(U97002) similar to Schizosaccharomyces pombe 4-nitrophenylphosphatase (PNPPASE) (SP:Q00472, NID:g5004) [Caenorhabditis elegans]	2.5
494	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.23	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		N.crassa				
495	J05254	mitochondrial small (19S) rRNA and Cys-tRNA.	0.23	192150	(L05670) clustrin [Mus musculus]	5.1
496	X16399	Gene for glutamate dehydrogenase (EC 1.4.1.4), put. bacterial origin	0.23	790933	(L07867) invariant surface glycoprotein [Trypanosoma brucei]	0.030
497	AE001251	Treponema pallidum section 67 of 87 of the complete genome	0.22	<NONE>	<NONE>	<NONE>
498	AF026919	Homo sapiens amyloid lambda light chain variable region mRNA, partial cds	0.21	<NONE>	<NONE>	<NONE>
499	Z27247	D.melanogaster mRNA for defensin	0.21	<NONE>	<NONE>	<NONE>
500	Y15608	Candida albicans UBI3 gene	0.21	<NONE>	<NONE>	<NONE>
501	V00598	Human beta-tubulin pseudogene.	0.21	<NONE>	<NONE>	<NONE>
502	X79426	A.thaliana microsatellite [repeated motif (gat)7]	0.21	<NONE>	<NONE>	<NONE>
503	X75772	A.caerulescens mitochondrial genes for cytochrome b and NADH dehydrogenase 5	0.21	139626	PROTEIN T1 PRECURSOR	7.8
504	AF028736	Serratia marcescens site specific recombinase	0.21	3645960	(AL031583) 1-evidence=predicted by content; 1-method=genefinder;084; 1-method_score=47.46; 1-evidence_end; 2-evidence=predicted by match; 2-match_accession=SWISS-PROT:P23792; 2-match_description=DISCONNECTED PROTEIN.; 2-matc...	4.6
505	X97545	S.cerevisiae OST5 gene	0.21	2275631	(AF014940) No definition line found [Caenorhabditis elegans]	2.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
506	M24543	Human prostate-specific antigen (PA) gene, complete cds.	0.21	1938527	(U97012) C04E6.2 gene product [Caenorhabditis elegans]	2.7
507	M62470	Mouse thrombospondin (THBS1) gene, complete cds.	0.21	548563	RNA REPLICASE POLYPROTEIN 2.7.7.48) - Erysimum latent virus >gi 3892232 (AF098523) replicase protein [Erysimum latent virus]	2.1
508	Y13544	Homo sapiens cosmid C1	0.21	1235710	(L40584) polyprotein [Infectious pancreatic necrosis virus]	2.0
509	M24193	Chicken MHC B complex protein (C12-3) mRNA, complete cds.	0.21	3600102	(AF090441) extracellular reelin [Gallus gallus]	0.52
510	X97161	H.sapiens TFE3 gene, exon 4,5 & 6	0.21	854065	(X83413) U88 [Human herpesvirus 6]	0.30
511	X67649	R.norvegicus DNA sequence for LFB1/HNF1 promoter	0.21	3913114	TRANSCRIPTION FACTOR COUP 2 COUP-TFII - chicken >gi 392817 (U00697) orphan receptor COUP-TFII [Gallus gallus]	0.004
512	U63807	Fugu rubripes growth hormone (GH) gene, complete cds	0.21	3510505	(AF030881) pol polyprotein [Fugu rubripes]	3e-04
513	Z95636	H.sapiens mRNA for laminin alpha 5 chain	0.21	400350	NAM7 PROTEIN (NONSENSE MEDIATED MRNA DECAY PROTEIN 1) (UP-FRAMESHIFT SUPPRESSOR 1) factor NAM7 - yeast (Saccharomyces cerevisiae) >gi 4023	1e-07
514	U91907	Mirounga leonina major histocompatibility complex class II (DQA) gene, partial cds	0.20	<NONE>	<NONE>	<NONE>
515	Z35758	Transmissible gastroenteritis virus TFI virion protein genes	0.20	<NONE>	<NONE>	<NONE>
516	X00334	Drosophila virilis simple DNA sequence (pDv-19)	0.20	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
517	M76741	Homo sapiens biliary glycoprotein (BGP) gene, partial cds.	0.20	<NONE>	<NONE>	<NONE>
518	D78515	Mus musculus rae28 gene, exon 1 and 5'flanking region	0.20	<NONE>	<NONE>	<NONE>
519	M62975	Drosophila melanogaster RNA polymerase II second largest subunit upstream (DmRP 140) gene, exons 1-4.	0.20	<NONE>	<NONE>	<NONE>
520	M27260	Chicken 78-kD glucose-regulated protein, complete cds.	0.20	<NONE>	<NONE>	<NONE>
521	AF076470	Rice tungro bacilliform virus Serdang strain, complete genome	0.20	<NONE>	<NONE>	<NONE>
522	AF076470	Rice tungro bacilliform virus Serdang strain, complete genome	0.20	<NONE>	<NONE>	<NONE>
523	U04636	Human cyclooxygenase-2 (hCox-2) gene, complete cds.	0.20	<NONE>	<NONE>	<NONE>
524	AE001430	Plasmodium falciparum chromosome 2, section 67 of 73 of the complete sequence	0.20	<NONE>	<NONE>	<NONE>
525	AF043514	Mus musculus phosphomannomutase (Pmm2) mRNA, complete cds	0.20	3025006	HYPOTHETICAL 15.5 KD PROTEIN IN MOAE-RHLE INTERGENIC REGION >gi 1787009 (AE000181) orf, hypothetical protein [Escherichia coli]	9.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
526	U23144	Xenopus laevis FTZ-F1-related nuclear orphan receptor variant (xFF1rAshort) mRNA, complete cds.	0.20	3184402	(AB014477) period protein [Chymomyza costata]	9.6
527	U14621	Paracentrotus lividus Pax-6 (suPax-6) mRNA, complete cds.	0.20	465894	PROBABLE MICROSOMAL SIGNAL PEPTIDASE 23 KD SUBUNIT (SPC22/23) >gi 630688 pir S44854 K12H4.4 protein - Caenorhabditis elegans >gi 289708 (L14331) homology with signal peptidase; coded for by C. elegans cDNAs GenBank: M79661, M79662 and M79663; putative	7.7
528	AF030511	Actinobacillus pleuropneumoniae MRP ATPase homolog (mrp) gene, partial cds; ApxIVA var3 (apxIVA) gene, complete cds; and beta-galactosidase (lacZ) gene, partial cds	0.20	1175966	HYPOTHETICAL 45.3 KD PROTEIN IN THI5 5'REGION >gi 1084720 pir S56193 probable membrane protein YFL062w - yeast (Saccharomyces cerevisiae)	7.2
529	AF070581	Homo sapiens clone 24540 mRNA sequence	0.20	542394	glyoxal oxidase (EC 1.2.3.-) precursor - basidiomycete (Phanerochaete chrysosporium) >gi 1050302	5.8
530	X75437	T.maritima pgK gene for 3-phosphoglycerate kinase	0.20	825648	(Z34531) coproporphyrinogen oxidase [Homo sapiens]	5.8
531	U32686	Haemophilus influenzae Rd section 1 of 163 of the complete genome	0.20	3309593	(AF072878) ciliary outer arm dynein beta heavy chain	5.6
532	Z28081	S.cerevisiae chromosome XI reading frame ORF YKL081w	0.20	2507201	CARBON CATABOLITE DEREPRESSING PROTEIN KINASE >gi 1469803 (L78129) serine/threonine kinase [Candida albicans]	5.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Hordeum vulgare				
533	AF022725	limit dextrinase (HvLD99) gene, complete cds	0.20	3139154	(AF064077) adrenocorticotrophic hormone receptor [Sus scrofa]	4.3
534	AL021726	Drosophila melanogaster cosmid 171E4	0.20	3885334	(AC005623) putative argonaute protein [Arabidopsis thaliana]	2.6
535	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.20	4008334	(Z92824) B0413.4 [Caenorhabditis elegans]	1.5
536	Z46606	H.sapiens HLTF gene for helicase-like transcription factor	0.20	132946	60S RIBOSOMAL PROTEIN L30B (RP29) cytosolic - yeast (Saccharomyces cerevisiae) >gi 171821 not determined [Saccharomyces cerevisiae] >gi 1045254 cerevisiae] >gi 1323250 gnl PID e243708 (Z72933) ORF YGR148c [Saccharomyces cerevisiae]	1.5
537	X87193	H.sapiens mRNA for 2.19 gene	0.20	139820	DNA-REPAIR PROTEIN XRCC1	1.5
538	L77965	Clostridium perfringens C beta 2 toxin gene, complete cds	0.20	1175950	HYPOTHETICAL 33.5 KD PROTEIN IN SEC53-ACT1 INTERGENIC REGION >gi 1084703 pir S56211 probable membrane protein YFL044c - yeast (Saccharomyces cerevisiae) >gi 836711 gnl PID d1009835 (D50617) YFL044C	1.4
539	M15938	Chicken neural cell-adhesion molecule (NCAM) gene, exon 18.	0.20	2133082	regulatory protein MSR1 - yeast	1.1
540	AJ003220	Solanum tuberosum mRNA for extensin-like protein, partial	0.20	2496932	HYPOTHETICAL 55.9 KD PROTEIN C56G2.1 IN CHROMOSOME III >gi 726413 (U23177) C56G2.1 gene product [Caenorhabditis elegans]	1.1
541	X98108	A.thaliana psbP gene	0.20	119227	EPIDERMAL GROWTH FACTOR PRECURSOR precursor - mouse >gi 309210 (J00380) prepro-egf [Mus musculus]	0.49

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
542	AB011179	Homo sapiens mRNA for KIAA0607 protein, partial cds	0.20	2143753	gene VGF protein - rat >gi 205690 (M60525) nerve growth factor inducible protein [Rattus norvegicus] >gi 205701 (M60522) nerve growth factor-inducible protein [Rattus norvegicus] >gi 207651	0.39
543	X75318	H.sapiens ITIH1 gene (exon 22) and ITIH3 gene	0.20	629557	RNA-binding protein rnpD - Arabidopsis thaliana (fragment) >gi 510240 (X61108) RNA binding protein [Arabidopsis thaliana]	0.38
544	AB008374	Oncorhynchus mykiss mRNA for alpha 3 type I collagen, partial cds	0.20	1082610	muf1 protein - human >gi 762953 (X86018) muf1 [Homo sapiens]	0.37
545	U09809	Limulus polyphemus arginine kinase mRNA, complete cds.	0.20	3882016	(AJ012650) CP [Papaya ringspot virus]	0.37
546	AB020671	Homo sapiens mRNA for KIAA0864 protein, partial cds	0.20	2674350	(U93121) M-phase phosphoprotein-1 [Homo sapiens]	0.18
547	L04457	Phytophthora megasperma mitochondrial ORF152, complete cds, cytochrome c oxidase subunit I (cox1) gene, complete cds, cytochrome c oxidase subunit II	0.20	746516	(U23517) D1022.7 [Caenorhabditis elegans] >gi 3258651 elegans]	0.043
548	L04457	Phytophthora megasperma mitochondrial ORF152, complete cds, cytochrome c oxidase subunit I (cox1) gene, complete cds, cytochrome c oxidase subunit II	0.20	746516	(U23517) D1022.7 [Caenorhabditis elegans] >gi 3258651 elegans]	0.042

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Cdk5r=cyclin-dependent kinase 5 regulatory subunit p35 [mice, brain, 129/SvJ, C57BL/6, Genomic/mRNA, 5528 nt]	0.20	3413870	(AB007923) KIAA0454 protein [Homo sapiens]	0.020
549	S82819					
550	D31792	Streptomyces griseus DNA for serine/threonine protein kinases, complete cds	0.20	861405	(U29154) T07F12.2 gene product [Caenorhabditis elegans]	0.019
551	U97499	Homo sapiens butyrophilin (BT3.2) gene, exons 5-10, and complete cds	0.20	2773341	(AF040954) putative protein phosphatase 1 nuclear targeting subunit [Rattus norvegicus]	0.008
552	U31463	Rattus norvegicus nonmuscle myosin heavy chain-A mRNA, complete cds.	0.20	3880111	(Z81130) predicted using Genefinder	0.002
553	X78401	Bacteriophage P22 right operon, orf 48, replication genes 18 and 12, nin region genes, ninG phosphatase, late control gene 23, orf 60, complete cds, late control region, start of lysis gene 13	0.20	1123087	(U42436) C49H3.3 gene product [Caenorhabditis elegans]	4e-04
554	X57310	Nocardia lactamdurans pcbAB and pcbC genes for alpha-aminoadipyl-L-cysteiny-D-valine synthetase and isopenicillin N synthase	0.20	1723511	PUTATIVE ENDONUCLEASE C1F12.06C yeast (Schizosaccharomyces pombe) >gi 1217980 (Z69944) unknown [Schizosaccharomyces pombe]	4e-09
555	X62386	S.epidermidis genes epiY', epiY, epiA, epiB, epiC, epiD, epiQ, epiP	0.20	3874927	(Z73424) C44B9.1 [Caenorhabditis elegans]	3e-10

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(Z80220) similar to nucleotide	
556	X59000	Epizootic haemorrhagic disease virus gene segment 6 for NS1	0.20	3879755	binding protein; cDNA EST EMBL:M75897 comes from this gene; cDNA EST EMBL:M89054 comes from this gene; cDNA EST EMBL:D26713 comes from this gene; cDNA EST EMBL:D26718 comes from this gene; cDNA...	8e-16
557	M98776	Human keratin 1 gene, complete cds	0.20	1086900	(U41278) contains similarity to G beta repeats	2e-30
558	AF011446	Mus musculus granzyme K gene, complete cds	0.19	<NONE>	<NONE>	<NONE>
559	AF074708	Macaca mulatta clone MMU1.5 FRG1-like pseudogene, exons 7 and 8, partial sequence	0.19	<NONE>	<NONE>	<NONE>
560	X13287	Medicago sativa nodulin-25 gene	0.19	<NONE>	<NONE>	<NONE>
561	Z49509	S.cerevisiae chromosome X reading frame ORF YJR009c	0.19	<NONE>	<NONE>	<NONE>
562	D89041	Bovine DNA for prostaglandin F2alpha receptor, partial cds	0.19	<NONE>	<NONE>	<NONE>
563	D29644	Streptococcus salivarius DNA for dextranase	0.19	<NONE>	<NONE>	<NONE>
564	AE001461	Helicobacter pylori, strain J99 section 22 of 132 of the complete genome	0.19	<NONE>	<NONE>	<NONE>
565	L38559	Homo sapiens galactocerebrosidase (GALC) gene, exon 17.	0.19	<NONE>	<NONE>	<NONE>
566	Z82628	R.prowazekii genomic DNA fragment (clone A405F)	0.19	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
567	U25641	Tetrahymena thermophila telomerase component p80 mRNA, complete cds	0.19	<NONE>	<NONE>	<NONE>
568	AB002343	Human mRNA for KIAA0345 gene, complete cds	0.19	<NONE>	<NONE>	<NONE>
569	D10064	Erwinia carotovora gene for pectate lyase III, complete cds	0.19	<NONE>	<NONE>	<NONE>
570	U31734	Homo sapiens clone MF118 A4A10 hypoxanthine phosphoribosyltransferase (hprt) 130 kb deletion mutant mRNA, partial cds, contains human Alu element	0.19	<NONE>	<NONE>	<NONE>
571	AE001386	Plasmodium falciparum chromosome 2, section 23 of 73 of the complete sequence	0.19	<NONE>	<NONE>	<NONE>
572	M95623	Homo sapiens hydroxymethylbilane synthase gene, complete cds.	0.19	<NONE>	<NONE>	<NONE>
573	S67478	(GC*IS)=vitamin D-binding protein/group specific component [human, peripheral blood leukocytes, Genomic, 794 nt, segment 4 of 9]	0.19	<NONE>	<NONE>	<NONE>
574	X99075	H.sapiens NRGN gene, exon 1	0.19	<NONE>	<NONE>	<NONE>
575	AF044775	Homo sapiens breakpoint cluster region BCRder14 sequence	0.19	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human mRNA for KIAA0335 gene, complete cds	0.19	<NONE>	<NONE>	<NONE>
576	AB002333					
577	U53566	Macaca mulatta pit-1/GHF-1 transcription factor mRNA, complete cds	0.19	1078068	probable membrane protein YLR311c - yeast	9.2
578	U73664	Human t(11;14)(q13;q32) breakpoint junction sequence	0.19	116734	COAT PROTEIN (CAPSID PROTEIN) virus >gi 58901 (X62133) CyMV coat protein gene product	8.8
579	AF004054	Heterophyllaea pustulata rps16 gene, chloroplast gene, partial intron sequence	0.19	1928991	(U92815) heat shock protein 70 precursor [Citrullus lanatus]	8.7
580	Z27081	Caenorhabditis elegans cosmid M01A8, complete sequence [Caenorhabditis elegans]	0.19	2496247	HYPOTHETICAL ATP-BINDING PROTEIN MJ0625 >gi 2128413 pir A64378 hypothetical protein MJ0625 - Methanococcus jannaschii >gi 1591336 (U67510) M. jannaschii predicted coding region MJ0625	8.6
581	Z74145	S.cerevisiae chromosome IV reading frame ORF YDL097c	0.19	1174425	TYROSINE-PROTEIN KINASE SPK-1	6.7
582	D38547	Small round structured virus genomic RNA, 3'terminal sequence containing ORF2 and ORF3	0.19	971318	(Z48053) putative protein [Bovine herpesvirus 1]	5.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
583	D88000	Ralstonia eutropha DNA 16S ribosomal RNA > :: dbj D88002 D88002 Ralstonia eutropha DNA for 16S ribosomal RNA > :: dbj D88003 D88003 Ralstonia eutropha DNA for 16S ribosomal RNA > :: dbj D88004 D88004 Ralstonia eutropha DNA for 16S ribosomal RNA	0.19	3800952	(AF100657) No definition line found [Caenorhabditis elegans]	5.1
584	U67462	Methanococcus jannaschii section 4 of 150 of the complete genome	0.19	3183617	(AJ005586) MYB-related transcription factor [Antirrhinum majus]	4.0
585	L23906	Gallus domesticus microsatellite DNA marker.	0.19	1947094	(U93074) voltage-gated sodium channel homolog BdNa1	3.9
586	AE001462	Helicobacter pylori, strain J99 section 23 of 132 of the complete genome	0.19	1730177	GLUCOSE-6-PHOSPHATE ISOMERASE (GPI) ISOMERASE) (PHI) >gi 2118333 pir [I48073 glucose phosphate isomerase - Chinese hamster >gi 987046 griseus] (Z82256) cDNA EST yk251g7.3 comes from this gene; cDNA EST yk251g7.5 comes from this gene; cDNA EST EMBL:D68223 comes from this gene; cDNA EST EMBL:C12737 comes from this gene; cDNA EST yk389c8.5 comes from this gene; cDNA E...	3.9
587	M19460	P.putida catBC operon encoding cis,cis-muconate lactonizing enzyme I and muconolactone isomerase genes, complete cds.	0.19	3873843		3.9
588	U22349	Tetrahymena australis telomerase RNA gene, complete sequence	0.19	4105782	(AF049922) PGP169-12 [Petunia x hybrida]	3.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
589	L27745	Homo sapiens voltage operated calcium channel, alpha-1 subunit mRNA, complete cds.	0.19	3763926	(AC004450) unknown protein [Arabidopsis thaliana]	3.0
590	AF049588	Canis familiaris synapsin I gene, partial cds	0.19	4104931	(AF042196) auxin response factor 8 [Arabidopsis thaliana]	3.0
591	X06627	Staphylococcus aureus plasmid pS194 sequence	0.19	137927	PRE-NECK APPENDAGE PROTEIN (LATE PROTEIN GP12) >gi 75856 pir WMBP22 gene 12 protein - phage phi-29 >gi 215330 (M14782) pre-neck appendage protein [Bacteriophage phi-29] >gi 225367 prf 1301270G gene 12 [Bacteriophage phi-29]	2.3
592	X61597	M.musculus gene for kallikrein-binding protein	0.19	2982874	(AE000675) cobalamin synthesis related protein CobW	1.7
593	AF016242	Dictyostelium discoideum protein synthesis elongation factor 1-alpha (tef2) gene, partial cds	0.19	133659	PUTATIVE RNA-DIRECTED RNA POLYMERASE	1.4
594	AF004447	Venezuelan equine encephalitis virus strain 1327 polyprotein gene, partial cds > :: gb AF004460 AF004460 Venezuelan equine encephalitis virus strain 1385 polyprotein gene, partial cds	0.19	4096173	(U25968) early embryogenesis protein [Oryza sativa]	1.3
595	J04821	Human elastin (ELN) gene, exon 1, clones HELC-5 and HELC-6.	0.19	1170523	INHIBIN BETA B CHAIN PRECURSOR inhibin precursor - bovine >gi 563753 (U16241) betaB inhibin/activin precursor [Bos taurus]	1.3
596	AF059650	Homo sapiens histone deacetylase 3 (HDAC3) gene, complete cds	0.19	3024881	PROBABLE TRANSPORT PROTEIN CY21C12.11 >gi 2078066 gnl PID e315171 (Z95210) betP	0.83

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					FERREDOXIN-DEPENDENT	
597	M69053	D.melanogaster calcium-activated K+ channel subunit	0.19	1707984	GLUTAMATE SYNTHASE I (FD-GOGAT) >gi 2126524 pir S60228 glutamate synthase (ferredoxin) (EC 1.4.7.1) gltB - Synechocystis sp. (PCC 6803) >gi 515938 (X80485) glutamate synthase	0.80
598	AF076279	Dictyostelium firmibasis plasmid Dfp1, complete plasmid sequence	0.19	453986	(U00008) yejA [Escherichia coli]	0.79
599	D28873	Mouse MCNP gene for C-type natriuretic peptide, complete cds (exon1, exon2)	0.19	2650444	(AE001092) acetyl-CoA synthetase (acs-1) [Archaeoglobus fulgidus]	0.63
600	U06071	Oxytricha nova macronuclear actin II gene, complete cds.	0.19	1584024	complement control protein [Botryllus schlosseri]	0.48
601	L54057	Homo sapiens CLP mRNA, partial cds.	0.19	3036883	(AL022374) putative ABC transporter	0.46
602	X89806	P.lividiu s cDNA for COLL2alpha gene	0.19	3638957	(AC004877) sco-spondin-mucin-like; similar to P98167 uncertain [Homo sapiens]	0.41
603	AE001104	Archaeoglobus fulgidus section 3 of 172 of the complete genome	0.19	2315192	(Y11739) transcription factor [Homo sapiens]	0.35
604	U54501	Rattus norvegicus microsatellite sequence D0Mco22	0.19	228951	D-MeAsp receptor:ISOTYPE=epsilon3 [Mus musculus]	0.32
605	X74468	Human papillomavirus type 15 genomic DNA	0.19	3695390	(AF096371) contains similarity to Rattus norvegicus cyclin G-associated kinase (SW:P97874) [Arabidopsis thaliana]	0.28
606	U20285	Human Gps1 (GPS1) mRNA, complete cds	0.19	2582659	(AJ002527) glucitol-6-phosphate dehydrogenase [Clostridium beijerinckii]	0.27
607	D49408	Human gene for interleukin 3 receptor alpha subunit, exon 10	0.19	2522368	(AF008596) alpha1,3-fucosyltransferase [Helicobacter pylori]	0.16

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
608	AF041141	Homo sapiens pituitary specific homeodomain protein (PROP1) gene, exon 3 and complete cds	0.19	37403	(X03541) trk gene product (aa 1-641) [Homo sapiens]	0.091
609	L12531	Discopyge ommata Ca2+ channel alpha 1 subunit gene sequence.	0.19	3618274	(AJ223219) hypothetical protein	0.069
610	AF052445	Yellow fever virus clone HONG9 polyprotein gene, complete cds	0.19	1932822	(U15928) KH-domain putative RNA binding protein	0.001
611	Z36946	B.anthraxis sap gene encoding S-layer protein	0.19	173241	(L06487) ZIP1 protein [Saccharomyces cerevisiae]	2e-04
612	AF087984	Homo sapiens full length insert cDNA clone YW29A12	0.19	3786014	(AC005499) hypothetical protein [Arabidopsis thaliana]	1e-06
613	AE001010	Archaeoglobus fulgidus section 97 of 172 of the complete genome	0.19	3135493	(AF060248) unknown [Arabidopsis thaliana]	7e-08
614	L08965	Trichosporon cutaneum carbamoyl phosphate synthetase large subunit (argA) gene, partial cds.	0.19	1086901	(U41278) F33G12.3 gene product [Caenorhabditis elegans]	2e-08
615	M91466	Rattus norvegicus A2b-adenosine receptor mRNA, complete cds.	0.19	2984320	(AE000773) acetoin utilization protein [Aquifex aeolicus]	6e-09
616	X95971	S.lividans groEL2 gene	0.19	3925277	(AL032643) similar to Uncharacterized protein family UPF0034, Double-stranded RNA binding motif; cDNA EST yk489b3.5 comes from this gene; cDNA EST yk439g7.5 comes from this gene [Caenorhabditis elegans]	7e-10
617	U12539	Schizosaccharomyces pombe scd2 (scd2) gene, complete cds.	0.19	1938549	(U97016) similar to drosophila Rlc1 gene product ribosomal protein L4 (YML4) (NID:g459259)	3e-14

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
618	U12539	Schizosaccharomyces pombe scd2 (scd2) gene, complete cds.	0.19	1938549	(U97016) similar to drosophila Rlc1 gene product ribosomal protein L4 (YML4) (NID:g459259)	9e-15
619	Z68327	Human DNA sequence from cosmid U25D11, between markers DXS366 and DXS87 on chromosome X.	0.19	3875774	EMBL:D32434 comes from this gene; cDNA EST EMBL:D33710 comes from this gene; cDNA EST EMBL:D34467 comes from this gene; cDNA EST EMBL:D35005 comes from this gene; cDNA EST EMBL:D37535 comes from this gene; ... >gil3878710 gnl PID e1348373 EST EMBL:D33710 comes from this gene; cDNA EST EMBL:D34467 comes from this gene; cDNA EST EMBL:D35005 comes from this gene; cDNA EST EMBL:D37535 comes from this gene; ...	6e-15
620	U66525	Dictyostelium discoideum ORFveg114 mRNA, complete cds	0.19	3540281	(AF056116) All-1 related protein [Fugu rubripes]	2e-17
621	U25830	Newcastle disease virus isolate Herts/33 matrix protein mRNA, complete cds	0.19	2228750	(U93868) RNA polymerase III subunit [Homo sapiens]	1e-18
622	U89407	Mus musculus strain BALB/c delta-aminolevulinic acid dehydratase (Lv) mRNA, partial cds	0.19	1825764	(U88314) C46H11.11 gene product [Caenorhabditis elegans]	3e-25
623	AF095598	Bison bison athabasca microsatellite BBJ 2	0.18	<NONE>	<NONE>	<NONE>
624	AF064260	Strongylocentrotus purpuratus SRC8 mRNA, complete cds	0.18	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
625	U69533	Arabidopsis thaliana AtKAP alpha mRNA, complete cds	0.18	<NONE>	<NONE>	<NONE>
626	D89041	Bovine DNA for prostaglandin F2alpha receptor, partial cds	0.18	<NONE>	<NONE>	<NONE>
627	M24571	Dictyostelium discoideum tRNA-Glu-GAA gene, clone yGluGAA7.	0.18	<NONE>	<NONE>	<NONE>
628	X59772	D.melanogaster ovo gene required for female germ line development	0.18	<NONE>	<NONE>	<NONE>
629	AL010209	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-104, complete sequence	0.18	<NONE>	<NONE>	<NONE>
630	U67575	Methanococcus jannaschii section 117 of 150 of the complete genome	0.18	111839	inositol 1,4,5-triphosphate receptor 2 - rat	8.5
631	U28730	Caenorhabditis elegans cosmid K10B2	0.18	1787604	(AE000232) orf, hypothetical protein [Escherichia coli]	8.3
632	X99798	L.lactis pepF1 & pepF2 genes	0.18	3406624	(AF079110) glycosomal malate dehydrogenase [Trypanosoma brucei]	8.1
633	AF025306	Danio rerio band 4.1-like protein 4 (nbl4) mRNA, complete cds	0.18	465445	PROBABLE NUCLEAR ANTIGEN herpesvirus 1 (strain Kaplan) >gi 334072 (M34651) ORF-3 protein [Pseudorabies virus]	7.9
634	AF059251	Mus musculus lipoxxygenase (alox) mRNA, complete cds	0.18	1655667	(Z81368) hypothetical protein Rv2393	6.6
635	Z22605	G.domesticus CTCF protein mRNA.	0.18	481864	3-methyl-2-oxobutanoate dehydrogenase	6.6
636	AB011086	Homo sapiens mRNA for KIAA0514 protein, complete cds	0.18	3874158	(Z81464) predicted using Genefinder	6.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Caenorhabditis				
637	Z78536	elegans cosmid C07A4, complete sequence [Caenorhabditis elegans]	0.18	3702121	(AJ011681) retinoblastoma-related protein [Chenopodium rubrum]	6.4
638	U67530	Methanococcus jannaschii section 72 of 150 of the complete genome	0.18	3877946	(Z81094) Weak similarity to 65 KDA heat shock protein (TR:G602231); cDNA EST EMBL:D71705 comes from this gene; cDNA EST EMBL:D74382 comes from this gene [Caenorhabditis elegans]	6.3
639	M63781	Influenza A/Duck/England/1/62 (H4N6) nucleoprotein mRNA, complete cds.	0.18	3873663	(Z69634) cDNA EST EMBL:D71510 comes from this gene; cDNA EST EMBL:C08449 comes from this gene; cDNA EST yk266b12.3 comes from this gene; cDNA EST yk266b12.5 comes from this gene; cDNA EST yk461h7.3 comes from this gene; cDNA...	6.2
640	M73781	Oryctolagus cuniculus integrin beta-8 subunit mRNA, complete cds. > :: gb I44828 I44828 Sequence 3 from patent US 5635601	0.18	1362129	major allergen OLE17 - common olive	5.8
641	X67219	D.melanogaster Rop gene	0.18	3449286	(AB011527) MEGF1 [Rattus norvegicus]	4.8
642	AF106941	Homo sapiens beta-arrestin 2 mRNA, complete cds	0.18	548353	[PROTEIN-PII] URIDYLTRANSFERASE vinelandii >gi 39257 (X59610) uridylyl transferase	3.7
643	AF052602	Danio rerio huntingtin (HD) mRNA, complete cds	0.18	241058	potential IGF binding protein [chickens, Peptide Partial, 77 aa, segment 2 of 3]	3.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(Z68314) predicted using	
644	AB020709	Homo sapiens mRNA for KIAA0902 protein, complete cds	0.18	3875570	Genefinder; cDNA EST EMBL:M75775 comes from this gene; cDNA EST EMBL:M89255 comes from this gene; cDNA EST EMBL:M89127 comes from this gene; cDNA EST EMBL:T00141 comes from this gene; cDNA EST EMBL:T...	2.1
645	AF096883	HIV-1 isolate patient 3 country USA pol polyprotein (pol) gene, partial cds	0.18	3250696	(AL024486) putative protein	1.7
646	L39928	Pyrocoelia miyako (clone pB-PmL41) luciferase mRNA, complete cds	0.18	2914702	(AC003974) unknown protein [Arabidopsis thaliana]	0.73
647	M17082	Human carcinoembryonic nonspecific crossreacting antigen (CEA; NCA) gene, exons 1 and 2.	0.18	1351833	REGULATORY PROTEIN ABAA	0.72
648	X75318	H.sapiens ITIH1 gene (exon 22) and ITIH3 gene	0.18	629557	RNA-binding protein rnpD - Arabidopsis thaliana (fragment) >gi 510240 (X61108) RNA binding protein [Arabidopsis thaliana]	0.41
649	AF011908	Mus musculus apoptosis associated tyrosine kinase (AATYK) mRNA, complete cds	0.18	330442	(K03332) nuclear antigen 2 [Epstein-Barr virus]	5e-04
650	U04004	Simian immunodeficiency virus SIVagmVER-2 envelope protein gene, partial cds.	0.18	135102	ASPARTYL-TRNA SYNTHETASE aspartate--tRNA ligase (EC 6.1.1.12) - Escherichia coli coli >gi 1736513 gnl PID d1016401 (D90829) Aspartate--tRNA ligase (EC 6.1.1.12) [Escherichia coli]	6e-11
651	U88155	Xenopus laevis RanGTPase activating protein	0.18	995714	(X91258) pid:e198503 [Saccharomyces cerevisiae]	2e-13

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(Z66511) similar to ribokinase;	
652	Z18921	B.oleracea gene for S-receptor kinase-like protein	0.18	3875535	cDNA EST EMBL:D69553 comes from this gene; cDNA EST EMBL:D65938 comes from this gene; cDNA EST yk280h9.3 comes from this gene; cDNA EST yk280h9.5 comes from this gene; cDNA EST yk223d11.3 come...	1e-19
653	M60650	S.cerevisiae STA2 gene, complete cds.	0.16	<NONE>	<NONE>	<NONE>
654	U80912	Eucalyptus globulus NADP-isocitrate dehydrogenase (EgICDH) mRNA, complete cds	0.16	3766172	(AF057298) ornithine decarboxylase antizyme 2 [Mus musculus]	4.2
655	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.16	76749	hypothetical protein 4 - fowl adenovirus 1	4.0
656	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.16	3044086	(AF055904) unknown [Myxococcus xanthus]	0.60
657	AF030231	Glycine max sucrose synthase (SS) mRNA, complete cds	0.078	<NONE>	<NONE>	<NONE>
658	M19183	Woodchuck hepatitis virus (WHV), complete genome, clone WHV 59.	0.072	1076190	cell wall glycoprotein, 75K, precursor - diatom (Cylindrotheca fusiformis) >gi 515363 (X80394) P75K gene product [Cylindrotheca fusiformis]	6.3
659	U31557	Ovine adenovirus IVa2 protein gene, DNA polymerase gene, terminal protein gene and 52,55 kDa protein gene, partial cds	0.072	3511143	(AF061244) unknown [Agrocybe aegerita]	6.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Caenorhabditis				
660	AL021491	elegans cosmid Y44A6B, complete sequence [Caenorhabditis elegans]	0.070	<NONE>	<NONE>	<NONE>
661	M33874	X.laevis Xotch protein mRNA, complete cds.	0.070	1654096	(Y09076) RAD3 [Schizosaccharomyces pombe]	0.23
662	AB012725	Mus musculus ZAN75 mRNA for zinc finger protein, complete cds	0.069	1350800	MITOCHONDRIAL RIBOSOMAL PROTEIN S5	2.0
663	AL021491	Caenorhabditis elegans cosmid Y44A6B, complete sequence [Caenorhabditis elegans]	0.068	<NONE>	<NONE>	<NONE>
664	Z60318	H.sapiens CpG DNA, clone 1e1, reverse read cpg1e1.r1a.	0.068	1280134	(U55376) F16H11.2 gene product [Caenorhabditis elegans]	2.6
665	Z35973	S.cerevisiae chromosome II reading frame ORF YBR104w	0.068	2493000	PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR EMBL:Z14816 comes from this gene; cDNA EST EMBL:Z14946 comes from this gene; cDNA EST EMBL:D69746 comes from this gene; cDNA EST yk219b6.3 comes from this gene; cDNA ES...	0.68
666	Z86111	Streptomyces lividans rpsP, trmD, rplS, sipW, sipX, sipY, sipZ, mutT genes and 4 open reading frames	0.068	1235974	(X96713) collagen [Globodera pallida]	4e-04
667	M72980	Anthonomus grandis vitellogenin gene (VTG), complete cds.	0.068	3242750	(AC005164) match to ESTs AA731149 (NID:g2140138), AA731908 (NID:g2752719), AA287837 (NID:g1933519), AA262811 (NID:g1898382), and AA825820 (NID:g2899132)	1e-59

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
668	M34161	Rat tachykinin (PPT) gene, exons 5 and 6.	0.067	<NONE>	<NONE>	<NONE>
669	L03811	Aspergillus niger zinc finger protein (creA) gene, complete cds.	0.067	<NONE>	<NONE>	<NONE>
670	M64983	Human fibrinogen beta chain gene, complete mRNA. >gb I47706 I47706 Sequence 3 from patent US 5639940	0.067	<NONE>	<NONE>	<NONE>
671	AF014051	Nicotiana tabacum Mg chelatase subunit (ChlH) mRNA, partial cds	0.067	<NONE>	<NONE>	<NONE>
672	Y07540	H.sapiens sil gene	0.067	92331	glycoprotein GP330, renal - rat (fragments)	7.5
673	AJ000347	Rattus norvegicus mRNA for 3'(2'),5'-bisphosphate nucleotidase	0.067	129238	25 KD OOKINETE SURFACE ANTIGEN PRECURSOR (PRS25) >gi 320962 pir A44966 25k ookinete surface antigen precursor - Plasmodium reichenowi reichenowi]	7.4
674	L19979	Squid sodium channel mRNA, complete cds.	0.067	2128473	hypothetical protein MJ0750 - Methanococcus jannaschii >gi 1592304 (U67521) ferredoxin-type protein	1.5
675	X08050	Yeast tRNA-Glu(3) gene and flanking regions	0.067	1334398	(X15081) MURF2 protein (AA 1-348)	0.65
676	X17115	Human mRNA for IgM heavy chain complete sequence	0.067	1731331	HYPOTHETICAL 51.6 KD PROTEIN CY49.14C >gi 1370241 gnl PID e247089 (Z73966) hypothetical protein Rv2075c [Mycobacterium tuberculosis]	0.51
677	AF032871	Homo sapiens uncoupling protein 3 (UCP3) gene, exon 1 and partial exon 2	0.067	112900	ALPHA-2C-1 ADRENERGIC RECEPTOR human >gi 178194 (J03853) kidney alpha-2-adrenergic receptor [Homo sapiens] >gi 1628638 (U72648) alpha2-C4-adrenergic receptor [Homo sapiens]	0.50

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
678	X05319	Mouse class II MHC E-beta 2 (d) gene exon 3	0.067	585074	DYNAMIN 3 (DYNAMIN, TESTICULAR) rat >gi 391872 gnl PID d1003668 (D14076) testicular dynamin [Rattus norvegicus]	3e-04
679	AB006362	Candida albicans CaSLN1 gene, complete cds	0.067	3417296	(AC003007) Unknown gene product (partial) [Homo sapiens]	9e-56
680	AF021236	African horse sickness virus capsid VP3 (L3) mRNA, complete cds	0.066	<NONE>	<NONE>	<NONE>
681	AE001507	Helicobacter pylori, strain J99 section 68 of 132 of the complete genome	0.066	<NONE>	<NONE>	<NONE>
682	AF039717	Caenorhabditis elegans cosmid R13H8	0.066	<NONE>	<NONE>	<NONE>
683	AF029027	Syncerus caffer isolate Queen Elizabeth Mweya 14 mitochondrial DNA control region	0.066	<NONE>	<NONE>	<NONE>
684	AF087967	Homo sapiens full length insert cDNA clone YU51G05	0.066	2982476	(X97203) C1 protein [Beet curly top virus]	9.5
685	J02037	Baboon endogenous virus proviral long terminal repeat DNA.	0.066	972767	(L37868) POU-domain transcription factor [Homo sapiens]	7.3
686	AF000141	Lycopersicon esculentum class I knotted-like homeodomain protein (LeT6) mRNA, complete cds	0.066	3157926	(AC002131) Strong similarity to extensin-like protein gb Z34465 from Zea mays. [Arabidopsis thaliana]	5.6
687	AB001746	Bensingtonia sp. OK255 gene for 18S rRNA > :: dbj AB001747 AB001747 Bensingtonia sp. OK259 gene for 18S rRNA	0.066	3859889	(AF070064) cap 'n' collar isoform C [Drosophila melanogaster]	0.38

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Helicobacter pylori, strain J99 section 22 of 132 of the complete genome	0.065	<NONE>	<NONE>	<NONE>
688	AE001461	Chicken erythroid transport proteins c1 and c2	0.065	<NONE>	<NONE>	<NONE>
689	M30821	Homo sapiens gene for osteonidogen, intron 3	0.065	<NONE>	<NONE>	<NONE>
690	AB009802	Homo sapiens full length insert cDNA clone YZ06B11	0.065	<NONE>	<NONE>	<NONE>
691	AF086062	Human mRNA for KIAA0371 gene, complete cds	0.065	2500884	SIGNAL SEQUENCE BINDING PROTEIN binding protein [Synechococcus sp.]	5.5
692	AB002369	Cyclopodia sp. large subunit ribosomal RNA gene, mitochondrial gene for mitochondrial RNAs, partial sequence > :: gb AF086866 AF086866 Penicillidia sp. large subunit ribosomal RNA gene, mitochondrial gene for mitochondrial RNAs, partial sequence	0.065	3721684	(AB012957) probable glycosyl transferase [Vibrio cholerae]	5.5
693	AF086864	Bacteriophage BK5-T ORF410, 3' end pf cds, 20 ORFs, repressor protein, and Cro repressor protein genes, complete cds, ORF70' gene, 5' end of cds.	0.065	1172067	PEPTIDASE T (AMINOTRIPEPTIDASE) [influenzae Rd]	3.2
694	L44593	Ciona intestinalis MyoD-family protein (CiMDFa) mRNA, complete cds	0.065	4218110	(AL035353) contains EST gb:F15281	2.5
695	U80079					

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
696	AB020718	Homo sapiens mRNA for KIAA0911 protein, complete cds	0.065	1722734	MINOR CAPSID PROTEIN L2 >gi 1020192 type 23]	1.9
697	AF082137	Zea mays copia-like retrotransposon Stl-14 leader region, partial sequence	0.065	1877501	(U89278) polyhomeotic 2 homolog [Homo sapiens]	1.1
698	X64053	R.norvegicus ZnBP gene for zinc binding protein	0.065	464963	TRYPSIN PRECURSOR	0.36
699	U67065	Mus musculus butyrophilin (BTN) gene, promoter region and complete cds	0.065	2132252	hypothetical protein YPL263c - yeast	3e-10
700	M64862	Rat matrix F/G mRNA, complete cds.	0.065	3420183	(AF041105) organic anion transporter protein 3 [Rattus norvegicus]	4e-19
701	K02205	Yeast (S.cerevisiae) transcriptional activator of amino acid-biosynthetic genes (GCN4) gene, complete cds.	0.064	<NONE>	<NONE>	<NONE>
702	X58282	Maize mRNA for a high mobility group protein	0.064	<NONE>	<NONE>	<NONE>
703	AC001545	Homo sapiens (subclone 1_f3 from P1 H69) DNA sequence	0.064	<NONE>	<NONE>	<NONE>
704	AF023461	Homo sapiens FRA3B region sequence	0.064	<NONE>	<NONE>	<NONE>
705	U50307	Caenorhabditis elegans cosmid F43H9.	0.064	<NONE>	<NONE>	<NONE>
706	U46542	Streptococcus crista HmpA gene, partial cds, putative adhesin/ABC transport system protein (scbA) gene, complete cds	0.064	1209391	(D83659) TPR protein pombe] >gi 2894282 gnl PID e1251103 (AL021838) pre-mrna splicing factor. [Schizosaccharomyces pombe]	9.2
707	X57564	A.rusticana mRNA for neutral peroxidase	0.064	1492037	(U60315) MC094R [Molluscum contagiosum virus subtype 1]	6.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
708	U06986	Human alpha-2-macroglobulin receptor/lipoprotein receptor protein (A2MR/LRP) gene, exons 39-41.	0.064	100800	rab15B protein - wheat >gi 21853 (X62476) rab protein [Triticum aestivum]	5.3
709	D85773	Human CpG island sequence, clone Q28B8	0.064	2245382	(U88325) suppressor of cytokine signalling-1 [Mus musculus]	5.3
710	L06178	Apis mellifera ligustica complete mitochondrial genome	0.064	3695379	(AF096370) contains similarity to a C. elegans hypothetical protein F44G4.1 (GB:Z49910) and several yeast hypothetical proteins such as 35.1 KD protein in NAM8-GAR1 intergenic region (SP:P38805) [Arabidopsis thaliana]	3.2
711	Y16242	Triticum aestivum mRNA for beta-amylase	0.064	1175958	HYPOTHETICAL 70.5 KD PROTEIN IN AGP3-DAK3 INTERGENIC REGION >gi 1084712 pir S56201 probable membrane protein YFL054c - yeast (Saccharomyces cerevisiae) >gi 836701 gnl PID d1009825 (D50617) YFL054C	3.1
712	L81779	Homo sapiens (subclone 2_a2 from P1 H25) DNA sequence	0.064	3845169	(AE001391) phosphatase (acid phosphatase family)	0.81
713	X13826	C.reinhardtii psb1 mRNA for OEE1 protein of photosystem II (oxygen-evolving enhancer protein)	0.064	171040	(M94535) ATPase [Saccharomyces cerevisiae] cerevisiae, Peptide, 377 aa [Saccharomyces cerevisiae]	0.054
714	X06487	H.sapiens mRNA for bcl2-Ig fusion gene	0.064	2429362	(AF020261) proline rich protein [Santalum album]	0.016
715	U79638	Mus musculus cyclin-dependent kinase inhibitor protein (p15(INK4b)) gene, exon 2 and partial cds	0.064	3929221	(AF082557) TRF1-interacting ankyrin-related ADP-ribose polymerase [Homo sapiens]	1e-10

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human T cell				
716	U39099	receptor alpha chain mRNA, partial cds	0.063	<NONE>	<NONE>	<NONE>
717	U39673	Clostridium acetobutylicum KdpC (kdpC) gene, partial cds, sensor histidine kinase homolog (kdpD) and response regulator homolog (kdpE) genes, complete cds	0.063	<NONE>	<NONE>	<NONE>
718	AL022317	Human DNA sequence from clone 140L1 on chromosome 22q13.1-13.31, complete sequence [Homo sapiens]	0.063	1931640	(U95973) Serine carboxypeptidase isolog [Arabidopsis thaliana]	5.2
719	U28972	Spiroplasma citri orfa and orff genes, partial cds, orfb, orfc, and orfe genes and Spiroplasma virus SpV1-derived ORF1 and ORF3 genes, complete cds, and SpV1-derived ORF14 gene, partial cds.	0.063	4091939	(AF070704) envelope glycoprotein [Human immunodeficiency virus type 1]	5.2
720	U15159	Mus musculus limk kinase (limk) mRNA, complete cds	0.063	3638957	(AC004877) sco-spondin-mucin-like; similar to P98167 uncertain [Homo sapiens]	5.1
721	AF058416	Homo sapiens lipoprotein receptor-related protein (LRP1), exons 39, 40, and 41	0.063	1788123	(AE000276) orf, hypothetical protein [Escherichia coli]	4.0
722	AE001430	Plasmodium falciparum chromosome 2, section 67 of 73 of the complete sequence	0.063	2244849	(Z97337) hypothetical protein	4.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Streptococcus			(Z70203) cDNA EST	
723	L29323	pneumoniae methyl transferase gene cluster, complete sequence	0.063	3874022	EMBL:D72339 comes from this gene; cDNA EST EMBL:D75197 comes from this gene [Caenorhabditis elegans]	2.3
724	X72631	H.sapiens mRNA encoding Rev-ErbAalpha > :: emb X72632 HSREV ERB2 H.sapiens mRNA encoding Rev-ErbAalpha (internal fragment)	0.063	3979878	(Z73105) predicted using Genefinder; cDNA EST EMBL:T01277 comes from this gene; cDNA EST EMBL:T01796 comes from this gene; cDNA EST EMBL:D32545 comes from this gene; cDNA EST EMBL:D33060 comes from this gene; cDNA EST EMBL:D...	1.7
725	U17969	Human initiation factor eIF-5A gene, complete cds.	0.063	2429509	(AF025467) contains similarity to drosophila DNA-binding protein K10 (NID:g8148) [Caenorhabditis elegans]	1.4
726	AE001000	Archaeoglobus fulgidus section 107 of 172 of the complete genome	0.063	3462802	(AF082486) nef protein [Human immunodeficiency virus type 1]	0.35
727	S80986	svp[40]=svp-related nuclear receptor/retinoid signaling modulator [zebrafishes, mRNA, 3876 nt]	0.063	1326288	(U58734) weak similarity to ankyrin G [Caenorhabditis elegans]	0.093
728	AF109134	Homo sapiens 7-60 mRNA, complete cds	0.063	1083764	proline-rich proteoglycan 2 precursor, parotid - rat >gi 310200 (L17318) proline-rich proteoglycan [Rattus norvegicus]	0.001
729	D87466	Human mRNA for KIAA0276 gene, partial cds	0.063	2879865	(AL021816) SPBC24E9.03c, unknown, len:251aa [Schizosaccharomyces pombe]	6e-05
730	AB018269	Homo sapiens mRNA for KIAA0726 protein, complete cds	0.063	2995865	(AF053455) tetraspan TM4SF [Homo sapiens]	2e-16
731	D86954	Cricetulus griseus mRNA for Cytochrome P-450 2A14, complete cds	0.063	2496896	HYPOTHETICAL 47.6 KD PROTEIN C16C10.5 IN CHROMOSOME III >gi 3874383 gnl PID e1344077 type (RING finger) [Caenorhabditis elegans]	1e-22

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Plasmodium				
732	AL010232	falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-58, complete sequence	0.062	<NONE>	<NONE>	<NONE>
733	U90714	Mycoplasma gallisepticum haemagglutinin precursor genes, complete cds	0.062	<NONE>	<NONE>	<NONE>
734	AF107044	Homo sapiens clone pCL4 DNA-binding protein SOX21 (SOX21) gene, complete cds	0.062	<NONE>	<NONE>	<NONE>
735	L41729	Caenorhabditis elegans Ro ribonucleoprotein autoantigen mRNA, complete cds	0.062	2983060	(AE000687) putative protein [Aquifex aeolicus]	8.6
736	Z99287	Caenorhabditis elegans cosmid Y7A9D, complete sequence [Caenorhabditis elegans]	0.062	1176542	PUTATIVE SERINE/THREONINE- PROTEIN KINASE D1044.3 IN CHROMOSOME III >gi 495684 (U00065) contains EGF-like repeats; highly similar to ZC84.1; 3' exons similar to protein kinase [Caenorhabditis elegans]	5.8
737	AB014514	Homo sapiens mRNA for KIAA0614 protein, partial cds	0.062	4033395	DNA GYRASE SUBUNIT B subunit [Myxococcus xanthus]	3.9
738	L29165	Human germline immunoglobulin light chain variable region (lambda-IIIb subgroup) from IgM rheumatoid factor.	0.062	1914685	(Y12014) RAD23 protein, isoform II	1.3
739	U09364	Schistosoma japonicum Chinese clone pY6 paramyosin mRNA, partial cds.	0.062	1350800	MITOCHONDRIAL RIBOSOMAL PROTEIN S5	1.3
740	Y16242	Triticum aestivum mRNA for beta- amylase	0.062	79834	hypothetical protein 1246 (uvrA region) - Micrococcus luteus (fragment)	0.59

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Leishmania pifanoi			TROPOMYOSIN I (TMI)	
741	M97695	cysteine proteinase (cys2) gene, complete cds.	0.062	1174754	(POLYPEPTIDE 49) >gi 320989 pir A60607 tropomyosin - fluke	0.018
742	U67526	Methanococcus jannaschii section 68 of 150 of the complete genome	0.062	1330345	(U58755) coded for by C. elegans cDNA yk34b1.5; coded for by C. elegans cDNA yk13h10.5; coded for by C. elegans cDNA yk46e8.5; coded for by C. elegans cDNA yk46d5.5; coded for by C. elegans cDNA yk43c2.5; coded for by C. elegans cDNA yk46e8....	1e-40
743	Z78414	Caenorhabditis elegans cosmid W09D12, complete sequence [Caenorhabditis elegans]	0.061	<NONE>	<NONE>	<NONE>
744	Y13606	Mus musculus gene encoding filensin, exons 6, 7	0.061	2314715	(AE000651) H. pylori predicted coding region HP1527	4.9
745	J04374	Eggplant mosaic virus genome.	0.061	141449	HYPOTHETICAL 35.5 KD PROTEIN IN TRANSPOSON TN4556 >gi 80759 pir JQ0431 hypothetical 35.5K protein - Streptomyces fradiae transposon Tn4556	3.8
746	AB022200	Marine obligately oligotrophic bacterium POO-10 DNA for 16S ribosomal RNA, partial sequence	0.061	3983593	(AB000307) transcarboxylase-beta	2.2
747	X54250	Rat mRNA for zinc finger protein AT-BP2, partial cds	0.061	1377886	(L46815) DNA binding protein Rc [Mus musculus]	0.98
748	X69942	M.musculus mRNA of enhancer-trap-locus 1	0.061	2983969	(AE000748) putative protein [Aquifex aeolicus]	0.57
749	AJ223206	Mus musculus mRNA for scrapie responsive protein 1	0.061	4204265	(AC005223) 45643 [Arabidopsis thaliana]	5e-31
750	Y10205	H.sapiens mRNA for CD88 protein	0.060	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
751	U79260	Human clone 23745 mRNA, complete cds	0.060	<NONE>	<NONE>	<NONE>
752	X07453	Plasmodium falciparum 11-1 gene part 1	0.060	<NONE>	<NONE>	<NONE>
753	U57502	Rattus norvegicus protein tyrosine phosphatase delta gene, catalytic domain, partial cds.	0.060	3452285	(AF044915) polar tube protein PTP55 precursor	0.28
754	X68359	M.fascicularis gene for apolipoprotein C-III	0.060	730843	SHUTTLE CRAFT PROTEIN >gi 487400	2e-04
755	X51634	Pseudomonas braB gene for branched chain amino acid transport carrier (LIV-II)	0.059	1835622	(U85718) CCML [Pseudomonas putida GB-1]	8.1
756	AF072405	Gossypium hirsutum cotton fiber expressed protein 2 (CFE2) mRNA, complete cds	0.059	423766	alkaline phosphatase, 145K - Synechococcus sp.	4.7
757	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.056	2662481	(AF034859) juvenile hormone resistance protein	3.3
758	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.054	547847	LECTIN PRECURSOR	7.0
759	X61046	Hydra N-COL 2 mRNA for mini-collagen, partial cds	0.053	<NONE>	<NONE>	<NONE>
760	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	0.052	<NONE>	<NONE>	<NONE>
761	S79843	{random amplified hybridization microsatellite RAHM} [Beta vulgaris=sugar beets, Genomic, 537 nt]	0.025	1730145	GAMETOGENESIS EXPRESSED PROTEIN GEG-154 >gi 2137331 pir I48361 gene GEG-154 protein - mouse >gi 550123 (X71642) pid:g550123 [Mus musculus]	2e-16

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mouse mRNA for				
762	AB000096	GATA-2 protein, complete cds	0.023	<NONE>	<NONE>	<NONE>
763	Z62366	H.sapiens CpG DNA, clone 67h7, forward read cpg67h7.ft1a .	0.023	3123312	ZINC FINGER PROTEIN 142 (KIAA0236) to Human zinc finger protein(ZNF142) [Homo sapiens]	5.9
764	L11670	Human transmembrane glycoprotein (CD53) gene, exons 2 through 8.	0.023	80636	hypothetical 67K protein - Mycobacterium fortuitum plasmid pAL5000 >gi 149986 (M60875) ORF2	3.4
765	D83984	Sulculus diversicolor DNA for IDO-like myoglobin, complete cds	0.023	3114665	(AF061267) inner membrane component HtxE [Pseudomonas stutzeri]	3.4
766	X98890	S.tuberosum mRNA for inorganic phosphate transporter, StPT1	0.023	683532	(X02155) thyroglobulin [Bos taurus]	1.1
767	U58835	Dissostichus mawsoni preprotrypsin gene, complete cds	0.022	<NONE>	<NONE>	<NONE>
768	AJ009630	Glomus versiforme chitin synthase gene (clone Gvchs3)	0.022	<NONE>	<NONE>	<NONE>
769	J04040	Human glucagon mRNA, complete cds.	0.022	<NONE>	<NONE>	<NONE>
770	X74908	L.esculentum Asr3 gene	0.022	<NONE>	<NONE>	<NONE>
771	L07293	Shigella dysenteriae O-antigen polysaccharide biosynthesis rfbX, O-antigen polymerase (rfc), rhamnosyl tranferase I and II (rfbR and rfbQ) and rfbD genes, complete cds.	0.022	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus				
772	AF040094	inositol polyphosphate 5-phosphatase II (INPP5P) mRNA, complete cds	0.022	<NONE>	<NONE>	<NONE>
773	X76776	H.sapiens HLA-DMB gene	0.022	<NONE>	<NONE>	<NONE>
774	AE001521	Helicobacter pylori, strain J99 section 82 of 132 of the complete genome	0.022	<NONE>	<NONE>	<NONE>
775	X16004	A.longa rbcL, rpl5, rps8, rpl36, rps14, rps2, trnI, trnF, trnC and rpoB (partial) genes > :: emb X75651 ALRIBP A.longa plastid genes for ribosomal proteins, tRNAs, RNA polymerase subunit beta and rubisco large subunit	0.022	<NONE>	<NONE>	<NONE>
776	Y12707	Lactococcus lactis cremoris plasmid pHW393 DNA, rlladii, mlladii genes	0.022	<NONE>	<NONE>	<NONE>
777	U27118	Arabidopsis thaliana glutamyl-tRNA reductase	0.022	<NONE>	<NONE>	<NONE>
778	Z96622	H.sapiens telomeric DNA sequence, clone 5PTELO02, read 5PTELOO002.seq	0.022	191333	(J05503) carbamoyl-phosphate synthetase (E.C.6.3.5.5)	9.8
779	D83984	Sulculus diversicolor DNA for IDO-like myoglobin, complete cds	0.022	1078509	probable membrane protein YDR018c - yeast	9.7
780	Z77952	H.sapiens flow-sorted chromosome 6 HindIII fragment, SC6pA4A3	0.022	4204206	(AB022786) N-acetyl-beta-D-glucosaminidase [Enterobacter sp.]	7.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		<i>Xenopus laevis</i>				
781	M10217	mitochondrial DNA, complete genome.	0.022	2145763	B2168_C2_205 protein - <i>Mycobacterium leprae</i>	7.3
782	M55147	Pea chloroplast glyceraldehyde-3-phosphate dehydrogenase (Gpb1) gene, complete cds.	0.022	417308	PROBABLE HELICASE MOT1 Mot1p is a probable helicase essential for vegetative growth on rich glucose medium at 30 degree C: Swiss-Prot Accession number P32333; similar to <i>S. cerevisiae</i> RAD26 gene product: Swiss-Prot Accession number P40352	4.2
783	X58839	Acholeplasma virus MV-L1 DNA for complete circular genome	0.022	3273189	(AB008757) subunit II of c(o/b)3-type cytochrome c oxidase [<i>Bacillus stearothermophilus</i>]	4.1
784	M26185	Mouse c-myb oncogene, exon 1 and exon 2 (partial).	0.022	138592	VITELLOGENIN I PRECURSOR (YOLK PROTEIN 1) >gi 72270 pir VJFF1 vitellogenin I precursor unnamed protein product [<i>Drosophila melanogaster</i>]	2.5
785	AF061195	<i>Streptomyces albus</i> valine dehydrogenase (Vdh) gene, complete cds	0.022	2088768	(AF003145) B0414.8 gene product [<i>Caenorhabditis elegans</i>]	0.86
786	AF053622	<i>Homo sapiens</i> alpha 1,2-mannosidase IB gene, exon 9	0.022	1352361	EARLY GROWTH RESPONSE PROTEIN 1 fish >gi 531456 (U12895) egr1 [<i>Danio rerio</i>] rerio]	0.36
787	Z71500	<i>S.cerevisiae</i> chromosome XIV reading frame ORF YNL224c	0.022	1708875	PUTATIVE TUMOR SUPPRESSOR LUCA15 sapiens]	0.16
788	D10471	Herpes simplex virus type 2 genomic DNA for 0.74-0.84 region, complete cds	0.022	3132276	(AB011486) short ORF [TT virus]	0.13
789	U43082	<i>Zea mays</i> T cytoplasm male sterility restorer factor 2 (rf2) mRNA, complete cds	0.022	3319720	(AL031035) putative aldehyde dehydrogenase [<i>Streptomyces coelicolor</i>]	0.011

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		H.sapiens simple				
790	X86913	tandem repeat DNA (clone wg3a6)	0.021	<NONE>	<NONE>	<NONE>
791	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.021	<NONE>	<NONE>	<NONE>
792	U34016	Nannostomus sp. large subunit rRNA gene, mitochondrial gene encoding mitochondrial rRNA, partial sequence.	0.021	<NONE>	<NONE>	<NONE>
793	X00845	Yeast mitochondrial genes for 15S rRNA and tRNA-Trp	0.021	<NONE>	<NONE>	<NONE>
794	AB012113	Homo sapiens gene for CC chemokine PARC precursor, complete cds	0.021	<NONE>	<NONE>	<NONE>
795	U62395	Daucus carota globulin-like protein (Gea8) gene, complete cds	0.021	<NONE>	<NONE>	<NONE>
796	M22718	P.falciparum actin II gene, complete cds.	0.021	2623773	(AF004835) tyrocidine synthetase 3 [Brevibacillus brevis]	8.8
797	U27118	Arabidopsis thaliana glutamyl-tRNA reductase	0.021	3549885	(AJ006631) cysteine-rich secretory protein-1 [Equus caballus]	8.8
798	X99832	H.sapiens CLN3 gene, complete CDS	0.021	262249	(S52010) orf1 5' of EpoR [mice, Peptide, 85 aa] [Mus sp.]	8.7
799	AF016266	Homo sapiens TRAIL receptor 2 mRNA, complete cds	0.021	729048	SUCCINYL-COA:COENZYME A TRANSFERASE transferase [Clostridium kluyveri]	8.7
800	Z92541	Human DNA sequence from PAC 179I15, BRCA2 gene region chromosome 13q12-13 contains lactase-phlorizin hydrolase (LCT)	0.021	585820	LIPOPOLYSACCHARIDE 1,2-N-ACETYLGLUCOSAMINETRANSFERASE >gi 466761 (U00039) rfaK [Escherichia coli] >gi 1790053 (AE000440) probably hexose transferase; lipopolysaccharide core biosynthesis	5.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		dopamine D2				
801	S58588	receptor [human, brain, Genomic, 3794 nt, segment 4 of 5]	0.021	2677620	(Y08029) NAD(P)(+)-arginine ADP-ribosyltransferase [Oryctolagus cuniculus]	5.1
802	M60522	Rat nerve growth factor-inducible protein (VGF) gene, complete cds.	0.021	4103934	(AF030050) replication factor C [Rattus norvegicus]	3.1
803	AF045654	Gallus gallus neuregulin beta-1a mRNA, complete cds	0.021	2746829	(AF040647) No definition line found [Caenorhabditis elegans]	3.0
804	M69023	Human globin gene.	0.021	3880259	(Z82056) T26H5.8 [Caenorhabditis elegans] >gi 3880787 gnl PID e1350288 (AL032620) T26H5.8	2.4
805	Z65960	H.sapiens CpG DNA, clone 69d2, reverse read cpg69d2.rt1b .	0.021	1707245	(U80845) similar to family 1 of G-protein coupled receptors [Caenorhabditis elegans]	0.79
806	X97073	A.oligospora gene encoding lectin	0.021	116949	CORE ANTIGEN >gi 73601 pir NKVLC2 core antigen - woodchuck hepatitis virus 2 >gi 336135	0.47
807	X56491	D. melanogaster mRNA for gene containing opa repetitive element	0.021	2842750	HOMEBOX PROTEIN DLX-7 >gi 1620520	0.16
808	L78760	Homo sapiens (subclone 1_f6 from P1 H31) DNA sequence	0.021	113671	!!!! ALU CLASS F WARNING ENTRY !!!!	0.15
809	AB007864	Homo sapiens KIAA0404 mRNA, partial cds	0.021	118144	CYSTEINE SYNTHASE A (O-ACETYL SERINE SULFHYDRYLASE A) (O-ACETYL SERINE (THIOL)-LYASE A) (CSASE A) >gi 68323 pir SYEBAC cysteine synthase (EC 4.2.99.8) A - Salmonella typhimurium >gi 153935 (M21450) cysK protein [Salmonella typhimurium]	0.12
810	AL021932	Mycobacterium tuberculosis H37Rv complete genome; segment 22/162	0.021	2909514	(AL021932) hypothetical protein Rv0439c	7e-10

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
811	U89991	Hypocrea jecorina mannose-1-phosphate guanylyltransferase (MPG1) mRNA, complete cds	0.021	3581924	(AL031538) mannose-1-phosphate guanyltransferase [Schizosaccharomyces pombe]	6e-20
812	X00641	Sugar beet mitochondrial minicircle pO sequence	0.020	<NONE>	<NONE>	<NONE>
813	Z50097	D.melanogaster mRNA for hdc protein.	0.020	<NONE>	<NONE>	<NONE>
814	AF044866	Phoebis sennae large subunit ribosomal RNA gene, partial sequence; tRNA-Val gene, complete sequence; and small subunit ribosomal RNA gene, partial sequence, mitochondrial genes for mitochondrial RNAs	0.020	<NONE>	<NONE>	<NONE>
815	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	0.020	<NONE>	<NONE>	<NONE>
816	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.020	<NONE>	<NONE>	<NONE>
817	AE001405	Plasmodium falciparum chromosome 2, section 42 of 73 of the complete sequence	0.020	2196776	(AF003342) bunched gene product [Drosophila melanogaster]	8.4
818	AF074387	Sambucus nigra hevein-like protein mRNA, complete cds	0.020	627071	histidine-rich protein - Plasmodium lophurae	2.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
819	Y13304	Hylobates hoolock mitochondrial DNA for cytb gene, Horace	0.020	285580	(D10043) ORF [Acetobacter pasteurianus]	2.1
820	Z66539	H.sapiens creatine transporter gene	0.020	1703594	(U80439) coded for by C. elegans cDNA yk7c8.5; coded for by C. elegans cDNA yk133b3.5; coded for by C. elegans cDNA yk65a4.5; coded for by C. elegans cDNA yk7c8.3; coded for by C. elegans cDNA CEESQ66F; coded for by C. elegans cDNA yk65a4.3;...	0.98
821	AF053622	Homo sapiens alpha 1,2-mannosidase IB gene, exon 9	0.020	1352361	EARLY GROWTH RESPONSE PROTEIN 1 fish >gi 531456 (U12895) egr1 [Danio rerio] rerio]	0.72
822	M20555	Human MHC class II HLA-DRw53-beta (DR4,w4) gene, exons 2,3,4,5,6.	0.020	465569	HYPOTHETICAL 38.1 KD PROTEIN IN SBCB-HISL INTERGENIC REGION >gi 405956 (U00009) ORF_ID:o349#4; similar to [SwissProt Accession Number P33015] [Escherichia coli] >gi 1736693 gnl PID d1016570 Number P33015] [Escherichia coli] >gi 1788323 (AE000292) putative transport system permease protein [Escherichia coli]	0.43
823	M20555	Human MHC class II HLA-DRw53-beta (DR4,w4) gene, exons 2,3,4,5,6.	0.020	1709751	COENZYME PQQ SYNTHESIS PROTEIN F synthesis F - Pseudomonas fluorescens >gi 929802	0.42

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
824	AJ005015	Homo sapiens mRNA for putative SMC-like protein, partial	0.020	267449	HYPOTHETICAL 12.5 KD PROTEIN ZK637.2 IN CHROMOSOME III >gi 102507 pir S15787 hypothetical protein 1 (cosmid ZK637) - Caenorhabditis elegans Genefinder; cDNA EST yk217b5.3 comes from this gene; cDNA EST yk217b5.5 comes from this gene; cDNA EST yk340g12.3 comes from this gene; cDNA EST yk340g12.5 comes from this gene; cDNA EST yk428c5.5 co...	1e-12
825	AF034099	Laccaria bicolor glyoxal malate synthase protein mRNA, complete cds	0.020	1109847	(U41538) No definition line found [Caenorhabditis elegans]	1e-22
826	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.019	132836	60S RIBOSOMAL PROTEIN L28 protein L28 [Rattus norvegicus]	5.7
827	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.019	2633401	(Z99109) similar to DNA exonuclease	4.5
828	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.019	2492604	MULTIDRUG RESISTANCE PROTEIN CDR2 albicans]	4.4
829	U67538	Methanococcus jannaschii section 80 of 150 of the complete genome	0.019	1723566	POTATIVE GLUCOSYLTRANSFERASE C17C9.07 >gi 1314159 gnl PID e241760 (Z73099) SPAC17C9.07, putative glucosyl transferase len: 501, similar to SW:ALG8_YEAST P40351 glucosyltransferase ALG8 pombe]	2.7
830	U56088	Human periodic tryptophan protein 2 (PWP2) gene, exons 3 to 14	0.019	2144804	collagen alpha 1(II) chain - bovine	0.040
831	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.018	1916976	(U91682) vitelline membrane protein homolog [Aedes aegypti]	7.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
832	AF026258	Onobrychis viciifolia chalcone synthase (CHS) mRNA, complete cds	0.018	763076	(Z48799) ZP3 [Cyprinus carpio] >gi 777724 (L41637) egg membrane protein [Cyprinus carpio]	5.2
833	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.009	3955011	(AJ005438) beta adrenoreceptor B	0.60
834	X71603	C.jejuni VSI DNA >:: emb A39603 A39603 Sequence 2 from Patent WO9417205 >:: gb I76090 I76090 Sequence 2 from patent US 5691138	0.008	<NONE>	<NONE>	<NONE>
835	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.008	138116	HEAD FIBER PROTEIN (LATE PROTEIN GP8.5) >gi 75846 pir WMBP8H gene 8.5 protein - phage PZA >gi 216057 (M11813) head fiber protein	8.1
836	X91751	Bovine herpesvirus type 1 UL7 gene	0.008	1711436	SUPEROXIDE DISMUTASE (FE) 1.15.1.1 (Fe) - Pseudomonas aeruginosa >gi 409767	5.9
837	M95594	Arabidopsis thaliana 1-aminocyclopropane-1-carboxylate synthase (ACS2) gene, complete cds.	0.008	683698	(Z48229) orf1 gene product [Saccharomyces cerevisiae]	1e-06
838	U67465	Methanococcus jannaschii section 7 of 150 of the complete genome	0.008	3874664	(Z68493) predicted using Genefinder	1e-07
839	X72388	B.taurus mRNA for filensin	0.008	100174	1-aminocyclopropane-1-carboxylate synthase	7e-09
840	U22398	Human Cdk-inhibitor p57KIP2 (KIP2) mRNA, complete cds.	0.008	2228750	(U93868) RNA polymerase III subunit [Homo sapiens]	2e-18
841	L42546	Xenopus laevis LIM class homeodomain protein	0.007	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens				
842	AF041428	ribosomal protein s4 X isoform gene, complete cds	0.007	<NONE>	<NONE>	<NONE>
843	AF000227	Secale cereale omega secalin gene, complete cds	0.007	<NONE>	<NONE>	<NONE>
844	D86254	Human MHC (HLA) DRB intron 1 DNA, partial sequence	0.007	<NONE>	<NONE>	<NONE>
845	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.007	<NONE>	<NONE>	<NONE>
846	Y07738	M.musculus gene for vimentin	0.007	<NONE>	<NONE>	<NONE>
847	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	0.007	<NONE>	<NONE>	<NONE>
848	AF055119	Homo sapiens alpha-tectorin (TECTA) gene, exon 6	0.007	<NONE>	<NONE>	<NONE>
849	M61195	Zucchini 1-aminocyclopropane-1-carboxylate synthase	0.007	<NONE>	<NONE>	<NONE>
850	Y11050	Homo sapiens DSG3 gene, partial intron and partial exon 6, 140 bp	0.007	<NONE>	<NONE>	<NONE>
851	X61204	M.voltae vhuD, vhuG, vhuA, vhuU & vhuB genes	0.007	<NONE>	<NONE>	<NONE>
852	AB012105	Brassica rapa mRNA for SLG45, complete cds	0.007	<NONE>	<NONE>	<NONE>
853	S43882	telomere: {minichromosome, repeats} [Trypanosoma brucei, Genomic, 1170 nt]	0.007	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
854	L32674	Geomydoecus nadleri mitochondrial cytochrome oxidase I gene, partial cds.	0.007	<NONE>	<NONE>	<NONE>
855	U58732	Caenorhabditis elegans cosmid F48D6.	0.007	<NONE>	<NONE>	<NONE>
856	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.007	<NONE>	<NONE>	<NONE>
857	Z35284	H.sapiens mRNA for MDR3 P-glycoprotein	0.007	1730696	HYPOTHETICAL 121.1 KD PROTEIN IN BIO3-HXT17 INTERGENIC REGION PRECURSOR YNR067c - yeast (Saccharomyces cerevisiae)	9.5
858	X15217	Human sno oncogene mRNA for snoA protein, ski-related	0.007	902455	(U24203) membrane protein [Escherichia coli]	8.8
859	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.007	1684636	(Y09454) ORF3 [Lactobacillus casei bacteriophage A2]	8.3
860	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.007	3878803	(Z48795) R05H5.7 [Caenorhabditis elegans]	8.3
861	S76317	T19=180-200 kda membrane protein scavenger receptor homolog {clone 18, intron and flanking exons 14 and 15} [sheep, lymph node, lymphocytes, Genomic, 308 nt, segment 2 of 2]	0.007	294747	(L08174) ORF2 [Romanomermis culicivorax]	7.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
862	D88084	Pedicularis verticillata chloroplast DNA, intergenic region between trnT(UGU) and trnL(UAA)5'exon	0.007	2555187	(AF026789) vitellogenin [Pimpla nipponica]	6.9
863	X58869	Chicken mRNA for aldehyde dehydrogenase	0.007	115978	CD30L RECEPTOR PRECURSOR (LYMPHOCYTE ACTIVATION ANTIGEN	6.5
864	D87120	Homo sapiens mRNA for GS3786, complete cds	0.007	3879589	(Z50875) P10me rich domain, cDNA EST EMBL:D35637 comes from this gene; cDNA EST yk322a3.5 comes from this gene; cDNA EST yk397b2.5 comes from this gene; cDNA EST yk348b11.5 comes from this gene; cDNA EST yk397b2.3 comes fr... >gi 3880965 gnl PID e1350578 comes from this gene; cDNA EST yk322a3.5 comes from this gene; cDNA EST yk397b2.5 comes from this gene; cDNA EST yk348b11.5 comes from this gene; cDNA EST yk397b2.3 comes ...	5.1
865	X68793	H.sapiens gene for antithrombin III	0.007	2358285	(AF010403) ALR [Homo sapiens]	3.8
866	AJ001596	Danio rerio mRNA for opioid receptor homologue	0.007	2507509	HYPOTHETICAL 29.8 KD PROTEIN IN HOLB-PTSG INTERGENIC REGION >gi 1787342 (AE000210) orf, hypothetical protein [Escherichia coli] protein in holB 3'region . [Escherichia coli]	1.9
867	AF061195	Streptomyces albus valine dehydrogenase (Vdh) gene, complete cds	0.007	2088768	(AF003145) B0414.8 gene product [Caenorhabditis elegans]	1.9
868	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	0.007	1710105	UDP-N- ACETYLGLUCOSAMINE 2- EPIMERASE UDP-N- acetylglucosamine 2-epimerase [Plasmid pWQ799]	1.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Zebrafish retinoic acid receptor alpha 2.A	0.007	2239219	(Z97210) hypothetical protein	0.77
869	L03398	Human mRNA for KIAA0150 gene, partial cds	0.007	19917	(Z14014) Pistil extensin like protein, partial CDS only	0.61
870	D63484	Maize glyceraldehyde 3-phosphate dehydrogenase, 3' end.	0.007	543068	mucin, tracheobronchial - dog >gi 402558	0.45
871	M31483	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	0.007	2494941	ALPHA-2B ADRENERGIC RECEPTOR adrenoceptor [Cavia porcellus] >gi 1587159 prf 2206293B adrenoceptor alpha2B [Cavia porcellus]	0.42
872	AF090115	Helianthus tuberosus lectin 1 mRNA, complete cds	0.007	1110587	(S79410) nuclear localization signals Peptide, 140 aa [Mus sp.]	0.26
873	AF064029	H.sapiens PAL2A gene	0.007	1706176	CUTINASE TRANSCRIPTION FACTOR 1 ALPHA >gi 1262912 (U51671) cutinase transcription factor 1 [Fusarium solani f. sp. pisi]	0.21
874	X88931	zRAR alpha =retinoic acid receptor alpha [zebrafish, embryos, mRNA, 1773 nt]	0.007	2239219	(Z97210) hypothetical protein	0.11
875	S74155	Petromyzon marinus plasma albumin mRNA, complete cds.	0.007	730888	OCTAPEPTIDE-REPEAT PROTEIN T2	0.011
876	M74193	Saccharomyces cerevisiae Spp41p (SPP41) gene, complete cds.	0.007	3820885	(AL033126) 65G3.k [Drosophila melanogaster]	0.001
877	U03673	Homo sapiens mRNA for Laminin-5 beta3 chain, complete cds	0.007	1235974	(X96713) collagen [Globodera pallida]	3e-06
878	D37766					

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Caenorhabditis				
879	AF022388	elegans putative transcription factor MAB-3 (mab-3) gene, complete cds	0.007	3747107	(AF095741) unknown [Rattus norvegicus]	5e-09
880	U89984	Acanthamoeba castellanii transformation-sensitive protein homolog mRNA, complete cds	0.007	1890281	(U89984) transformation-sensitive protein homolog	2e-09
881	AB020689	Homo sapiens mRNA for KIAA0882 protein, partial cds	0.007	3880809	(AB021485) similar to Probable rabGAP domains; cDNA EST EMBL:D34945 comes from this gene; cDNA EST EMBL:D27313 comes from this gene; cDNA EST EMBL:D34829 comes from this gene; cDNA EST EMBL:D27312 comes from this gene; cDNA ... Probable rabGAP domains; cDNA EST EMBL:D34945 comes from this gene; cDNA EST EMBL:D27313 comes from this gene; cDNA EST EMBL:D34829 comes from this gene; cDNA EST EMBL:D27312 comes from this gene; cDNA ...	1e-23
882	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>
883	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>
884	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
885	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.006	<NONE>	<NONE>	<NONE>
886	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	0.006	<NONE>	<NONE>	<NONE>
887	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.006	<NONE>	<NONE>	<NONE>
888	M80529	Rattus norvegicus ceruloplasmin gene, exon 1 and 5' flank	0.006	<NONE>	<NONE>	<NONE>
889	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.006	99408	hypothetical protein 6 - Chlamydomonas reinhardtii transposon >gi 1360717 gnl PID e33461 reinhardtii]	9.6
890	U76523	Sambucus nigra lectin precursor mRNA, complete cds	0.006	4039024	(AF039110) polyprotein [Rubella virus]	9.3
891	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.006	160533	(M94428) merozoite surface antigen 1 [Plasmodium vivax]	7.5
892	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.006	4019458	(AF093984) envelope glycoprotein [Human immunodeficiency virus type 1]	7.0
893	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	0.006	1916976	(U91682) vitelline membrane protein homolog [Aedes aegypti]	6.8
894	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.006	102059	promastigote surface antigen-2 (clone 4.6) - Leishmania major (fragment) >gi 9583 (X57135) surface antigen P2 [Leishmania major]	2.4
895	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.006	3171241	(AF067204) transcription factor BF-1 [Danio rerio]	1.0
896	X99384	M.musculus mRNA for paladin gene	0.003	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
897	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	0.003	<NONE>	<NONE>	<NONE>
898	AE001148	Borrelia burgdorferi (section 34 of 70) of the complete genome	0.003	4160388	(AJ011856) ORF Q0255 [Saccharomyces cerevisiae]	7.6
899	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.003	1709213	NUCLEAR ENVELOPE PORE MEMBRANE PROTEIN POM 121 (PORE MEMBRANE PROTEIN OF 121 KD) (P145)	1.5
900	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
901	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
902	AF104631	Chlamydomonas reinhardtii light harvesting complex II protein precursor (Lhcb3) mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
903	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
904	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.002	<NONE>	<NONE>	<NONE>
905	M21339	Human non-histone chromosomal protein HMG-14 gene, complete cds.	0.002	<NONE>	<NONE>	<NONE>
906	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human h-lys gene for				
907	X57103	lysozyme (upstream region)	0.002	<NONE>	<NONE>	<NONE>
908	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
909	U01066	Human CD4 promoter, partial sequence.	0.002	<NONE>	<NONE>	<NONE>
910	L28094	Barley mRNA sequence.	0.002	<NONE>	<NONE>	<NONE>
911	AD000833	Homo sapiens DNA from chromosome 19-cosmid f19399 (~17 kb EcoRI restriction fragment)	0.002	<NONE>	<NONE>	<NONE>
912	AJ011701	Homo sapiens TRHR gene promoter and exons 1-2, partial	0.002	<NONE>	<NONE>	<NONE>
913	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
914	AF037062	Homo sapiens retinol dehydrogenase gene, complete cds	0.002	<NONE>	<NONE>	<NONE>
915	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
916	U67608	Methanococcus jannaschii section 150 of 150 of the complete genome	0.002	<NONE>	<NONE>	<NONE>
917	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
918	Z46736	H.sapiens DNA for repeat region (ABM-C82)	0.002	<NONE>	<NONE>	<NONE>
919	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.002	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		X.laevis mRNA for				
920	Z85983	NOVA protein	0.002	<NONE>	<NONE>	<NONE>
921	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
922	S61977	medium-chain acyl-CoA dehydrogenase {exon 10, intron 10} [human, Genomic, 1407 nt]	0.002	<NONE>	<NONE>	<NONE>
923	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	0.002	<NONE>	<NONE>	<NONE>
924	AB012105	Brassica rapa mRNA for SLG45, complete cds	0.002	<NONE>	<NONE>	<NONE>
925	AB012106	Brassica rapa mRNA for SRK45, complete cds	0.002	<NONE>	<NONE>	<NONE>
926	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
927	X51646	H.sapiens DNA for dopamine D2 receptor gene	0.002	3329125	(AE001337) Yop C/Gen Secretion Protein D [Chlamydia trachomatis]	9.5
928	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	465762	HYPOTHETICAL 112.1 KD PROTEIN C06G4.1 IN CHROMOSOME III >gi 630524 pir S44748 C06G4.1 protein - Caenorhabditis elegans >gi 409292 (L25598) homology with vigilin; coded for by C. elegans cDNA GenBank:M88954 (CEL12C9); putative [Caenorhabditis	8.9
929	U48478	Human skeletal muscle ryanodine receptor gene	0.002	2137221	co-repressor protein - mouse >gi 642619	6.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus				
930	AF100694	Pontin52 mRNA, complete cds	0.002	806536	(Z22520) membrane protein [Bacillus acidopullulyticus]	6.3
931	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	3881055	(AL023844) Y48A6B.1 [Caenorhabditis elegans]	5.8
932	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	0.002	3878330	(Z81097) K07A1.4 [Caenorhabditis elegans]	4.8
933	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.002	137640	REPLICATION PROTEIN E1 papillomavirus	4.0
934	AF019660	Mus musculus nuclear orphan receptor RORgamma	0.002	1330365	(U58757) similar to nucleotide pyrophosphatases	3.9
935	AF100694	Mus musculus Pontin52 mRNA, complete cds	0.002	1785972	(U46951) ORF5; Method: conceptual translation supplied by author	3.7
936	V00508	Human gene for epsilon-globin.	0.002	1333804	(X56082) protease [Ruminococcus flavefaciens]	3.5
937	AB012105	Brassica rapa mRNA for SLG45, complete cds	0.002	4153876	(AC005531) similar to mouse homeodomain-interacting protein kinase 2; similar to AF077659 (PID:g3702958)	3.0
938	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	0.002	1070461	ornithine carbamoyltransferase (EC 2.1.3.3) - yeast (Saccharomyces cerevisiae) >gi 929866 (X83502) pid:e130025 [Saccharomyces cerevisiae] >gi 1008256	2.8
939	S41458	rod cGMP phosphodiesterase beta-subunit [human, mRNA, 3231 nt]	0.002	3450883	(AF083334) fibroin [Antheraea pernyi]	1.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Drosophila melanogaster Gart locus with genes for GARS=phosphoribos ylamineglycine ligase, AIRS=phosphoribosy lformylglycinamidine cyclo-ligase, GART=glycinamide ribotide transformylase > :: gb J02527 DROGAR T D.melanogaster Gart gene encoding two polypeptides with GAR synthase, AIR synthase, and GAR transformylase enzyme activities and a pupal cuticle gene nested within intron A of the Gart gene.	0.002	2662054	(AB004651) isocitrate lyase	1.5
940	X06286					
941	AF015812	Homo sapiens RNA helicase p68 (HUMP68) gene, complete cds	0.002	3641659	(AB008374) alpha 3 type I collagen	1.1
942	X78925	H.sapiens HZF2 mRNA for zinc finger protein	0.002	141624	ZINC FINGER PROTEIN ZFP- 37 (MALE GERM CELL SPECIFIC ZINC FINGER PROTEIN)	1.0
943	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	0.002	3879997	(Z49071) weak similarity with mu-type opioid receptor (Swiss Prot accession number (P33535)	1.0
944	Z69639	Human DNA sequence from cosmid L241B9, Huntington's Disease Region, chromosome 4p16.3 contains polymorphic VNTR pYNZ32.	0.002	3523162	(AF076292) TGF-beta/activin signal transducer FAST-1p	0.81

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
945	AF074387	Sambucus nigra hevein-like protein mRNA, complete cds	0.002	2984161	(AE000761) hypothetical protein [Aquifex aeolicus]	0.80
946	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	0.002	101830	hypothetical protein B - chestnut blight fungus	0.72
947	AF017307	Homo sapiens Ets-related transcription factor (ERT) mRNA, complete cds	0.002	200531	(M18071) prion protein [Mus musculus]	0.72
948	U11383	Drosophila melanogaster Ovo-1028aa (ovo) mRNA, complete cds.	0.002	2465207	(AF016045) OVO-like 1 binding protein [Homo sapiens]	0.35
949	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	0.002	3834294	(U80846) No definition line found [Caenorhabditis elegans]	0.29
950	AF086315	Homo sapiens full length insert cDNA clone ZD52F10	0.002	545067	(S68356) action potential broadening potassium channel=Shab [Aplysia, bag cell neurons, head ganglia, Peptide, 905 aa] [Aplysia] >gi 743110 prf 2011375A K channel [Aplysia californica]	0.15
951	X53096	S.aureus genes encoding Sau96I DNA methyltransferase and Sau96I restriction endonuclease	0.002	2529575	(AF018164) kinesin-like protein 3C [Homo sapiens]	0.11
952	AB012105	Brassica rapa mRNA for SLG45, complete cds	0.002	729918	LA PROTEIN HOMOLOG (LA RIBONUCLEOPROTEIN) (LA AUTOANTIGEN HOMOLOG)	0.092
953	X73973	G.gallus RAR-gamma2 mRNA for retinoic acid receptor	0.002	586122	TRICHOHYALIN >gi 423321 pir A40691 trichohyalin - sheep >gi 295941 (Z18361) trichohyalin	0.073
954	S41458	rod cGMP phosphodiesterase beta-subunit [human, mRNA, 3231 nt]	0.002	1017427	(X90569) elastic titin [Homo sapiens]	0.013

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		D.melanogaster			(U88169) similar to	
955	M35887	defective chorion-1 fc125 (dec-1) gene, complete cds.	0.002	1825606	molybdoterin biosynthesis MOEB proteins [Caenorhabditis elegans]	0.008
956	AF034099	Laccaria bicolor glyoxal malate synthase protein mRNA, complete cds	0.002	1825593	(U88167) D2092.2 gene product [Caenorhabditis elegans]	1e-06
957	AF033929	Bactrocera dorsalis strain Tahiti mitochondrial D-loop region, complete sequence	9e-04	<NONE>	<NONE>	<NONE>
958	AB012106	Brassica rapa mRNA for SRK45, complete cds	8e-04	<NONE>	<NONE>	<NONE>
959	AF029062	Homo sapiens DEAD-box protein (BAT1) gene, partial cds	8e-04	<NONE>	<NONE>	<NONE>
960	U70671	Human ataxin-2 related protein mRNA, partial cds	8e-04	<NONE>	<NONE>	<NONE>
961	AF051709	Dendrocopos leucopterus clone 2 microsatellite HrU2 repeat region	8e-04	<NONE>	<NONE>	<NONE>
962	X14077	Pea phy gene for phytochrome apoprotein	8e-04	<NONE>	<NONE>	<NONE>
963	AC004497	Homo sapiens chromosome 21, P1 clone LBNL#6	8e-04	457146	(L27838) rhoptry protein [Plasmodium yoelii]	9.6
964	AF077344	Homo sapiens cartilage-derived C-type lectin	8e-04	3702123	(AJ011707) TraD protein [Escherichia coli]	8.5
965	X85117	H.sapiens epb72 gene exons 2,3,4,5,6,7	8e-04	2570059	(AJ004687) N-4 cytosine-specific methyltransferase [Neisseria gonorrhoeae]	6.8
966	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-04	1345859	COPPER TRANSPORT PROTEIN CTR1 transport protein - yeast (Saccharomyces cerevisiae) gene product [Saccharomyces cerevisiae]	6.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens				
967	AF031403	MLL/AF4 translocation breakpoint t(4;11)(q21;23)	8e-04	2498926	SMALL PROTEIN B HOMOLOG A43259, from E. hirae [Mycoplasma pneumoniae]	6.6
968	L29252	Human (clone D13-2) L-idoitol-2 dehydrogenase gene, exon 4, exon 5, exon 6 and exon 7.	8e-04	1488070	(U63997) putative transposase [Enterococcus faecium]	5.2
969	X16995	Mouse N10 gene for a nuclear hormonal binding receptor	8e-04	1493833	(U47323) stromal cell protein [Mus musculus]	3.2
970	M99412	Human interleukin-8 receptor (IL8RB) gene, complete cds	8e-04	1346101	4-AMINOBUTYRATE AMINOTRANSFERASE TRANSAMINASE) (GABA AMINOTRANSFERASE) homolog - smut fungus (Ustilago maydis) >gi 881562 Emericella nidulans gamma-amino-n-butyrate transaminase Swiss-Prot Accession Number P14010 [Ustilago maydis]	0.83
971	U37452	Human Down Syndrome region of chromosome 21 genomic sequence, clone A31D6-1C5.	8e-04	4164069	(AF111093) latrophilin 3 splice variant bbah [Bos taurus]	0.26
972	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-04	1352877	HYPOTHETICAL 13.0 KD PROTEIN IN RAD26-GEF1 INTERGENIC REGION >gi 1077881 pir S57057 probable membrane protein YJR038c - yeast (Saccharomyces cerevisiae) >gi 1015688 (Z49538) ORF YJR038c putative [Saccharomyces cerevisiae]	0.23
973	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	8e-04	1788557	(AE000312) orf, hypothetical protein [Escherichia coli]	0.19

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
974	X83872	H.vulgaris mRNA for cAMP response element binding protein	8e-04	1175386	HYPOTHETICAL 37.7 KD PROTEIN C18B11.06 IN CHROMOSOME I >gi 2130289 pir S58305 hypothetical protein SPAC18B11.06 - fission yeast hypothetical protein [Schizosaccharomyces pombe]	0.005
975	M32514	Rat simple sequence DNA, clone 5.	8e-04	2394492	(AF024502) No definition line found [Caenorhabditis elegans]	0.002
976	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	8e-04	2981631	(AB012223) ORF2 [Canis familiaris]	0.001
977	X89211	H.sapiens DNA for endogenous retroviral like element	8e-04	2065210	(Y12713) Pro-Pol-dUTPase polypeptide	3e-04
978	U14391	Human myosin-IC mRNA, complete cds.	8e-04	3142302	(AC002411) Strong similarity to myosin heavy chain gb Z34293 from A. thaliana. [Arabidopsis thaliana]	4e-16
979	L13612	Drosophila melanogaster dead-box protein D.melanogaster DEAD-box gene, complete CDS	8e-04	3776027	(AJ010475) RNA helicase [Arabidopsis thaliana]	9e-24
980	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
981	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
982	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
983	Z73987	Human DNA sequence from cosmid N120B6 on chromosome 22 Contains ESTs, complete sequence [Homo sapiens]	7e-04	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Brassica rapa mRNA for SRK45, complete cds	7e-04	<NONE>	<NONE>	<NONE>
984	AB012106					
985	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
986	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
987	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
988	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	7e-04	<NONE>	<NONE>	<NONE>
989	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
990	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
991	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
992	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
993	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-04	<NONE>	<NONE>	<NONE>
994	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	7e-04	3327230	(AB014608) KIAA0708 protein [Homo sapiens]	9.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
995	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	7e-04	3327230	(AB014608) KIAA0708 protein [Homo sapiens]	9.3
996	AF074387	Sambucus nigra hevein-like protein mRNA, complete cds	7e-04	3876455	(Z93380) predicted using Genefinder; similar to 7tm receptor protein [Caenorhabditis elegans]	7.1
997	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	7e-04	2128771	hypothetical protein MJ1293 - Methanococcus jannaschii >gi 1591931 (U67570) M. jannaschii predicted coding region MJ1293 [Methanococcus jannaschii]	6.2
998	U09412	Human zinc finger protein ZNF134 mRNA, complete cds	7e-04	1083336	glutathione transferase (EC 2.5.1.18) piA - mouse	5.4
999	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	7e-04	473515	(M17619) NADH dehydrogenase subunit ND4 [Asterina pectinifera]	3.7
1000	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	7e-04	1724097	(U79772) female sex protein [Mercurialis annua]	3.3
1001	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-04	1197103	(D49747) core, env, and part of E2/NS1	3.2
1002	X16995	Mouse N10 gene for a nuclear hormonal binding receptor	7e-04	345372	unc-5 protein, long form - Caenorhabditis elegans >gi 258529 bbs 118648 (S47168) UNC-5=immunoglobulin and thrombospondin type 1 transmembrane protein {alternatively spliced} aa [Caenorhabditis elegans] >gi 2662596 (AF036698) C. elegans UNC-5 (NID:g25852)	2.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1003	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	7e-04	4204220	(AB022866) mobilization protein	2.5
1004	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	7e-04	3201550	(Y17116) fibrinogen-binding protein	2.4
1005	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	7e-04	1174264	(U45966) polypeptide [Hepatitis G virus]	0.73
1006	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	7e-04	135308	TRANSCRIPTION FACTOR JUN-D	0.065
1007	X98745	H.sapiens EWS gene, intron 6, polymorphism	7e-04	728836	!!!! ALU SUBFAMILY SP WARNING ENTRY	0.001
1008	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	7e-04	1633564	(U47924) C8 [Homo sapiens]	9e-09
1009	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	6e-04	284171	Ig epsilon chain C region form 3 - human	1.3
1010	AB012106	Brassica rapa mRNA for SRK45, complete cds	6e-04	3845262	(AE001414) BRAHMA ortholog (DNA helicase superfamily II)	0.25
1011	AL034404	Human DNA sequence from clone 417C12 on chromosome Xp22.1122.2, complete sequence [Homo sapiens]	3e-04	<NONE>	<NONE>	<NONE>
1012	M99701	Homo sapiens (pp21) mRNA, complete cds.	3e-04	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1013	U00227	Ovis aries Merino breed DR beta-chain antigen binding domain, MHC class II DRB (Ovar-DRB24) gene, partial cds.	3e-04	<NONE>	<NONE>	<NONE>
1014	AF074387	Sambucus nigra hevein-like protein mRNA, complete cds	3e-04	<NONE>	<NONE>	<NONE>
1015	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-04	999418	(L19655) ORF [Tomato ringspot virus]	8.3
1016	AB012106	Brassica rapa mRNA for SRK45, complete cds	3e-04	2367460	(AF011415) putative pheromone receptor [Mus musculus]	7.0
1017	AJ010737	Mus musculus DNA for microsatellite 3kb upstream lbp gene	3e-04	4106549	(AF104411) neuronal-specific septin 3 [Mus musculus]	5.5
1018	AF053137	Homo sapiens histone deacetylase 3 gene, exons 4, 5, 6, 7, 8, 9, and 10	3e-04	416702	NADH-DEPENDENT FLAVIN OXIDOREDUCTASE acid-inducible - Eubacterium sp >gi 1381570 (U57489) NADH:flavin oxidoreductase [Eubacterium sp. VPI 12708]	5.3
1019	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	3e-04	1785789	(Y08502) orf111d [Arabidopsis thaliana]	5.1
1020	AC004173	Homo sapiens clone UWGC:y23x011 from 6p21, complete sequence [Homo sapiens]	3e-04	558521	(D28917) polyprotein [Hepatitis C virus]	1.1
1021	X57025	Human IGF-I mRNA for insulin-like growth factor I	3e-04	4206707	(AF118122) putative outer membrane protein OmpU	0.65
1022	X77090	H.sapiens IL-1Ra gene.	3e-04	1065941	(U40799) F42C5.7 gene product [Caenorhabditis elegans]	0.12

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Pseudorabies virus				
1023	M34651	with upstream and downstream sequences.	3e-04	2746853	(AF040650) contains similarity to sodium-potassium-chloride cotransport proteins	7e-05
1024	Z36011	S.cerevisiae chromosome II reading frame ORF YBR142w	3e-04	2500537	PROBABLE ATP-DEPENDENT RNA HELICASE HAS1 >gi 626265 pir S47451 hypothetical protein YMR290c RNA helicase [Saccharomyces cerevisiae]	4e-08
1025	AF020286	Dictyostelium discoideum 2034 gene, partial cds	3e-04	1465834	(U64857) No definition line found [Caenorhabditis elegans]	6e-14
1026	L26049	Chlamydomonas reinhardtii dynein heavy chain alpha (ODA11) gene, exons 2-15, and partial cds.	3e-04	3876775	(Z81077) predicted using Genefinder; Similarity to Yeast protein 8248 (TR:G587531)	9e-15
1027	AF020286	Dictyostelium discoideum 2034 gene, partial cds	3e-04	1465834	(U64857) No definition line found [Caenorhabditis elegans]	1e-17
1028	X79811	S.cerevisiae ACT3 gene	3e-04	3876090	(Z69635) Similarity to Yeast uridine kinase (SW:URK1_YEAST); cDNA EST EMBL:Z14695 comes from this gene; cDNA EST CEMSE17F comes from this gene; cDNA EST EMBL:D67355 comes from this gene; cDNA EST yk209h1.5 comes from this ge...	7e-31
1029	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	2e-04	<NONE>	<NONE>	<NONE>
1030	M22970	Human pancreatic phospholipase A-2 (PLA-2) gene, exons 1 to 3.	2e-04	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human DNA				
1031	Z68686	sequence from cosmid N2E9 on chromosome 22. Contains EST, complete sequence [Homo sapiens]	2e-04	<NONE>	<NONE>	<NONE>
1032	X95154	H.sapiens brca2 gene exon 4 > :: emb A62779 A62779 Sequence 20 from Patent WO9719110	2e-04	<NONE>	<NONE>	<NONE>
1033	AJ005813	Arabidopsis thaliana mRNA for neoxanthin cleavage enzyme	2e-04	<NONE>	<NONE>	<NONE>
1034	AF100694	Mus musculus Pontin52 mRNA, complete cds	2e-04	<NONE>	<NONE>	<NONE>
1035	AE001415	Plasmodium falciparum chromosome 2, section 52 of 73 of the complete sequence	2e-04	<NONE>	<NONE>	<NONE>
1036	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	2e-04	<NONE>	<NONE>	<NONE>
1037	AC000958	Homo sapiens (subclone 6_d9 from P1 H21) DNA sequence	2e-04	<NONE>	<NONE>	<NONE>
1038	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	2e-04	2501523	CD59 GLYCOPROTEIN PRECURSOR	7.1
1039	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	2e-04	2765360	(Y13925) cathepsin L2 [Penaeus vannamei]	6.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					RNA POLYMERASE	
1040	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	2e-04	133636	>gi 67126 pir RRXPLC RNA-directed RNA polymerase (EC 2.7.7.48) - lymphocytic choriomeningitis virus (strain Armstrong 53b) >gi 331369	5.2
1041	AB012106	Brassica rapa mRNA for SRK45, complete cds	2e-04	3822155	(AF074613) type II secretion protein [Escherichia coli O157:H7]	4.0
1042	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	2e-04	1718125	REGULATORY PROTEIN E2 >gi 1020222 type 36]	0.38
1043	X17058	Sus scrofa mRNA for glucose transport protein	2e-04	3341906	(AB009593) xylose transporter	2e-15
1044	AF008216	Homo sapiens candidate tumor suppressor pp32r1	1e-04	<NONE>	<NONE>	<NONE>
1045	X98890	S.tuberosum mRNA for inorganic phosphate transporter, StPT1	1e-04	624126	(U42580) a65L [Paramecium bursaria Chlorella virus 1]	7.9
1046	L14930	Glycine max (Rab7p) mRNA, complete cds.	9e-05	<NONE>	<NONE>	<NONE>
1047	AJ009970	Mus musculus thromboxane A2 receptor gene, exon 3, partial	9e-05	<NONE>	<NONE>	<NONE>
1048	Y11896	M.musculus mRNA for Brx gene, partial	9e-05	<NONE>	<NONE>	<NONE>
1049	L10832	Polistes annularis (clone pan48AAT) tandem repeat region.	9e-05	<NONE>	<NONE>	<NONE>
1050	AF055011	Homo sapiens clone 24587 mRNA sequence	9e-05	3880586	(Z/9758) cDNA EST EMBL:D28009 comes from this gene; cDNA EST EMBL:D28008 comes from this gene; cDNA EST EMBL:D32478 comes from this gene; cDNA EST EMBL:D34508 comes from this gene; cDNA EST EMBL:D37581 comes from this gene; ...	7.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1051	U76524	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	9e-05	3024292	RHODOPSIN >gi 2290717 (AF000947) rhodopsin [Sepia officinalis]	6.7
1052	Z58294	H.sapiens CpG DNA, clone 34d6, forward read cpg34d6.ft1a.	9e-05	3885496	(AF064825) heparin/heparan sulfate N-acetylglucosaminyl N-deacetylase/N-sulfotransferase [Bos taurus]	0.65
1053	D87451	Human mRNA for KIAA0262 gene, complete cds	9e-05	3874739	(Z66495) similar to claustrin like	0.004
1054	L37092	Mus musculus cyclin-dependent kinase homologue	9e-05	3080513	(AL022598) hypothetical protein	4e-09
1055	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	8e-05	<NONE>	<NONE>	<NONE>
1056	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	8e-05	<NONE>	<NONE>	<NONE>
1057	AF074386	Sambucus nigra hevein-like protein mRNA, complete cds	8e-05	<NONE>	<NONE>	<NONE>
1058	D10102	Homo sapiens DNA from cosmid clone:844, GT repeat sequence	8e-05	<NONE>	<NONE>	<NONE>
1059	U72396	Lycopersicon esculentum class II small heat shock protein Le-HSP17.6 mRNA, complete cds	8e-05	1176475	HYPOTHETICAL 80.4 KD PROTEIN IN SMC3-MRPL8 INTERGENIC REGION >gi 1078237 pir S56849 probable membrane protein YJL073w - yeast (Saccharomyces cerevisiae) >gi 895898 (X88851) hypothetical protein YJL073w [Saccharomyces cerevisiae]	6.0
1060	X71934	H.sapiens XB gene for tenascin-X, repeat XIII	8e-05	285207	microtubule-associated protein, 110K tau - rat >gi 207158 (M84156) big tau [Rattus norvegicus]	3.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1061	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	8e-05	4049682	(AF063866) ORF MSV092 hypothetical protein [Melanoplus sanguinipes entomopoxvirus]	2.1
1062	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	8e-05	3861019	(AJ235271) unknown [Rickettsia prowazekii]	5e-14
1063	AF027174	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-B) mRNA, complete cds	7e-05	<NONE>	<NONE>	<NONE>
1064	L04193	Human lens membrane protein (mp19) gene, exon 11.	7e-05	<NONE>	<NONE>	<NONE>
1065	X61609	B.napus gene for LHC II Type III chlorophyll a/b binding protein	7e-05	2132314	hypothetical protein YPR174c - yeast similarity to a nuclear lamin from C. elegans (PIR accession number S42257) [Saccharomyces cerevisiae]	8.9
1066	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	7e-05	2979422	(AB006757) PCDH7 (BH-Pcdh)c [Homo sapiens]	5.7
1067	AF027173	Arabidopsis thaliana cellulose synthase catalytic subunit (Ath-A) mRNA, complete cds	7e-05	2493696	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi 1480440 (U34204) ORF185; hypothetical 21.4 kD protein [Brassica oleracea]	5.2
1068	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	7e-05	2501029	PROBABLE LEUCYL-TRNA SYNTHETASE, MITOCHONDRIAL PRECURSOR (LEUCINE--TRNA LIGASE) (LEURS) KIAA0028 [Homo sapiens]	1.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human DNA				
1069	Z68758	sequence from cosmid cN85E10 on chromosome 22q11.2-qter	3e-05	<NONE>	<NONE>	<NONE>
1070	X60653	human Histone H3.3 pseudogene (CIR-456)	3e-05	<NONE>	<NONE>	<NONE>
1071	Z58294	H.sapiens CpG DNA, clone 34d6, forward read cpg34d6.ft1a .	3e-05	1706241	GUANYLYL CYCLASE GC-E PRECURSOR cyclase receptor [Mus musculus]	9.6
1072	AF043251	Homo sapiens mitochondrial outer membrane protein (Tom40) gene, nuclear gene encoding mitochondrial protein, exons 1 through 6	3e-05	113980	AMINE OXIDASE [FLAVIN-CONTAINING] B oxidase (flavin-containing) (EC 1.4.3.4) B - human B [human, platelet, Peptide Partial, 520 aa] [Homo sapiens]	8.9
1073	M31104	Chicken progesterone receptor gene, encoding forms A and B, exons 1 and 2.	3e-05	1170841	IG GAMMA LAMBDA CHAIN V-II REGION	4.8
1074	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	3e-05	543684	ribosomal protein S3 - Chlamydomonas humicola chloroplast (fragment)	4.2
1075	L22206	Human vasopressin receptor V2 gene, complete cds.	3e-05	791207	(U20615) Gnot1 homeodomain protein [Gallus gallus]	1.8
1076	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	3e-05	3237340	(AF033361) polyprotein [Hepatitis C virus]	0.94
1077	AF100694	Mus musculus Pontin52 mRNA, complete cds	3e-05	2879805	(AL021813) hypothetical protein	0.001
1078	AF100694	Mus musculus Pontin52 mRNA, complete cds	3e-05	3877951	(Z81555) predicted using Genefinder	3e-07

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1079	AF090115	Lycopersicon esculentum cytosolic class II small heat shock protein HCT2 (HSP17.4) mRNA, complete cds	2e-05	<NONE>	<NONE>	<NONE>
1080	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	2e-05	3880197	(Z81132) predicted using Genefinder	2.4
1081	AF087989	Homo sapiens full length insert cDNA clone YX29D10	2e-05	113667	!!!! ALU CLASS B WARNING ENTRY !!!!	1.8
1082	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	2e-05	474896	(L31967) mating type protein [Coprinus cinereus]	1.4
1083	AF064029	Helianthus tuberosus lectin 1 mRNA, complete cds	2e-05	2266988	(Y13274) M33 polycomb-like protein [Mus musculus]	0.62
1084	U67415	Equus caballus UCD- E-CA-467 dinucleotide repeat region, complete sequence	1e-05	<NONE>	<NONE>	<NONE>
1085	X67277	H.sapiens BGP gene for biliary glycoprotein, promoter region and exon 1	1e-05	<NONE>	<NONE>	<NONE>
1086	X85117	H.sapiens epb72 gene exons 2,3,4,5,6,7	1e-05	<NONE>	<NONE>	<NONE>
1087	U88328	Mus musculus suppressor of cytokine signalling-3	1e-05	443877	(Z29457) core region; pid:g443877 [Hepatitis C virus] virus]	3.9
1088	Y12853	Homo sapiens P2X7 gene, exon 4-8	1e-05	3878726	(Z66498) similar to cuticle collagen; cDNA EST EMBL:D75584 comes from this gene	0.36
1089	AE001140	Borrelia burgdorferi (section 26 of 70) of the complete genome	1e-05	3860719	(AJ235270) GLUTAMYL- tRNA AMIDOTRANSFERASE SUBUNIT A (gatA) [Rickettsia prowazekii]	4e-15

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1090	AJ224112	Homo sapiens gamma adaptin gene, exon 2 and flanking intronic sequences	9e-06	<NONE>	<NONE>	<NONE>
1091	AB000565	Homo sapiens DNA for repeat sequence Alu	9e-06	72879	translation initiation factor IF-2 - Escherichia coli	5.1
1092	Z78985	H.sapiens flow-sorted chromosome 6 HindIII fragment, SC6pA20B4	9e-06	159975	(M65164) 51C surface protein [Paramecium tetraurelia]	4.8
1093	Z21677	Thermotoga maritima DNA for spc operon	9e-06	585879	50S RIBOSOMAL PROTEIN L2 maritima >gi 437926 (Z21677) ribosomal protein L2	7e-14
1094	AF031494	Drosophila hydei Dhc7 (Threads) mRNA, complete cds	9e-06	729377	DYNEIN BETA CHAIN, CILIARY sea urchin (Anthocidaris crassispina) chain [Anthocidaris crassispina]	4e-18
1095	AF051315	Homo sapiens placental protein 17a1 (PP17) mRNA, complete cds	4e-06	<NONE>	<NONE>	<NONE>
1096	AC001460	Homo sapiens (subclone 2_f4 from BAC H107) DNA sequence	4e-06	2648304	(AE000952) ISA1214-6, putative transposase	6.2
1097	X85030	H.sapiens mRNA for skeletal muscle-specific calpain	4e-06	4239857	(AB016726) calpain [Schistosoma japonicum]	0.006
1098	M75162	Human polymorphic arylamine N-acetyltransferase	3e-06	<NONE>	<NONE>	<NONE>
1099	AB009999	Rattus norvegicus mRNA for CDP-diacylglycerol synthase, complete cds	3e-06	3879045	(Z70309) R102.6 [Caenorhabditis elegans]	7.3
1100	Z78985	H.sapiens flow-sorted chromosome 6 HindIII fragment, SC6pA20B4	3e-06	266529	MERCURIC REDUCTASE (HG(II) REDUCTASE) >gi 418744 pir S30168 mercury(II) reductase	6.5
1101	AB012190	Homo sapiens mRNA for Nedd8-activating enzyme hUba3, complete cds	3e-06	3877938	(Z79697) F58H10.1 [Caenorhabditis elegans]	6.3

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens				
1102	AF041056	WSCR4 gene, exons 3 and 4	3e-06	1568583	(Z80775) hypothetical protein Rv0044c	1.9
1103	X00777	Mouse E(d) beta gene 5' flanking region and exon 1	3e-06	1680722	(U72497) fatty acid amide hydrolase [Rattus norvegicus]	0.008
1104	D21205	Human mRNA for estrogen responsive finger protein, complete cds	3e-06	563127	(U09825) acid finger protein [Homo sapiens]	1e-05
1105	Z47046	Human cosmid QLL2C9 from Xq28	1e-06	<NONE>	<NONE>	<NONE>
1106	L26261	Human MHC class III HLA-RP1 gene.	1e-06	<NONE>	<NONE>	<NONE>
1107	M13402	Rat 5S RNA gene, clone 5S-2.	1e-06	<NONE>	<NONE>	<NONE>
1108	X68793	H.sapiens gene for antithrombin III	1e-06	<NONE>	<NONE>	<NONE>
1109	AF003540	Homo sapiens Krueppel family zinc finger protein	1e-06	2507553	ZINC FINGER PROTEIN 33A (ZINC FINGER PROTEIN KOX31) (KIAA0065) (HA0946) Kruppel-related. [Homo sapiens]	0.098
1110	L42096	Homo sapiens (subclone 10_d2 from P1 H21) DNA sequence.	1e-06	1330401	(U58762) T27F7.1 gene product [Caenorhabditis elegans]	0.015
1111	Z69925	Human DNA sequence from cosmid cN116A5, between markers D22S280 and D22S86 on chromosome 22q12 contains EST	9e-07	<NONE>	<NONE>	<NONE>
1112	D90217	S. cerevisiae gene for YmL33, mitochondrial ribosomal proteins of large subunit	9e-07	3879097	(Z81109) predicted using Genefinder; similar to sodium/phosphate transporter; cDNA EST yk326f6.3 comes from this gene; cDNA EST yk326f6.5 comes from this gene [Caenorhabditis elegans]	7.1

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(U58755) coded for by C.	
1113	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	9e-07	1330345	elegans cDNA yk34b1.5; coded for by C. elegans cDNA yk13h10.5; coded for by C. elegans cDNA yk46e8.5; coded for by C. elegans cDNA yk46d5.5; coded for by C. elegans cDNA yk43c2.5; coded for by C. elegans cDNA yk46e8....	2e-29
1114	AF086562	Homo sapiens full length insert cDNA clone ZE16C03	4e-07	1072210	(U40945) coded for by C. elegans cDNA yk74b9.3; coded for by C. elegans cDNA yk74b9.5; similar to repeat of calcium channel alpha subunits; similar to tetracycline resistance protein; similar to hypothetical protein in HSP30-PMP1 region (SP...	3.9
1115	L39062	Homo sapiens interleukin 9 receptor IL9R pseudogene, exons 1-9	4e-07	3879983	(Z46795) similar to transforming protein etc2; cDNA EST EMBL:D34137 comes from this gene; cDNA EST EMBL:D37172 comes from this gene; cDNA EST EMBL:D76266 comes from this gene; cDNA EST EMBL:D70493 comes from this gene; cDNA ...	3.3
1116	Z69364	Human DNA sequence from cosmid L96F8, Huntington's Disease Region, chromosome 4p16.3 contains EST and cDNA. > :: emb Z69365 HSL96F8A Human DNA sequence from cosmid L96F8, Huntington's Disease Region, chromosome 4p16.3 contains EST and cDNA.	4e-07	3493176	(AF022889) latent TGF beta binding protein [Mus musculus]	3.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human mRNA for KIAA0164 gene, complete cds	4e-07	4038031	(AC005936) hypothetical protein [Arabidopsis thaliana]	0.30
1117	D79986	Human mRNA for KIAA0098 gene, partial cds	3e-07	<NONE>	<NONE>	<NONE>
1118	D43950	Human mRNA for KIAA0098 gene, partial cds	3e-07	<NONE>	<NONE>	<NONE>
1119	AF037168	Arabidopsis thaliana DnaJ homologue (AtJ6) mRNA, complete cds	3e-07	3881075	(AL032657) predicted using Genefinder; similar to DnaJ domain ; Thioredoxin; cDNA EST yk433f3.5 comes from this gene; cDNA EST EMBL:D32359 comes from this gene; cDNA EST EMBL:D34721 comes from this gene; cDNA EST yk433f3.3 c...	3e-09
1120	X69838	H.sapiens mRNA for G9a	3e-07	3873414	(U00043) similar to D. melanogaster trithorax protein	3e-29
1121	AB011124	Homo sapiens mRNA for KIAA0552 protein, complete cds	2e-07	2618749	(U90880) hypothetical protein 2; predicted using XGrail	2.0
1122	K03012	Human cellular frms proto-oncogene, partial cds.	1e-07	<NONE>	<NONE>	<NONE>
1123	AB016195	Homo sapiens DNA, microsatellite and Alu repeat region	1e-07	728837	!!!! ALU SUBFAMILY SQ WARNING ENTRY	0.095
1124	Y16795	Homo sapiens psihHaA pseudogene	4e-08	<NONE>	<NONE>	<NONE>
1125	AB012624	Homo sapiens FLI1 gene for ERGB transcription factor, intron 4 and partial cds	4e-08	728836	!!!! ALU SUBFAMILY SP WARNING ENTRY	3.6
1126	AJ131341	Homo sapiens ogg1 gene, exons 1-7	4e-08	113668	!!!! ALU CLASS C WARNING ENTRY !!!!	3e-05
1127	L81902	Homo sapiens (subclone 1_c10 from P1 H69) DNA sequence	3e-08	4225950	(AJ132701) centaurin gamma1B	1.8
1128	Y17968	Gallus gallus mRNA for high mobility group 1 protein	3e-08	3041855	(AC004537) similar to tumor suppressor p33ING1; similar to AF044076 (PID:g2829208) [Homo sapiens]	3e-31
1129	Y13901	Homo sapiens FGFR-4 gene	1e-08	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1130	L22024	Mesocricetus auratus serum amyloid P component gene, complete cds.	1e-08	<NONE>	<NONE>	<NONE>
1131	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	1e-08	<NONE>	<NONE>	<NONE>
1132	X14034	Human mRNA for phospholipase C > :: gb M37238 HUMPL C Human phospholipase C mRNA, complete cds.	1e-08	<NONE>	<NONE>	<NONE>
1133	Z59381	H.sapiens CpG DNA, clone 152b10, forward read cpg152b10.ft1a .	1e-08	<NONE>	<NONE>	<NONE>
1134	L81839	Homo sapiens (subclone 2_h3 from P1 H43) DNA sequence	1e-08	<NONE>	<NONE>	<NONE>
1135	X14448	Human GLA gene for alpha-D-galactosidase A (EC 3.2.1.22)	1e-08	3334427	HYPOTHETICAL PROTEIN MJ1207 Methanococcus jannaschii >gi 1591837 (U67562) protease synthase and sporulation negative regulator Pai1, putative [Methanococcus jannaschii]	9.1
1136	AL023774	Human DNA sequence from clone 799F15 on chromosome Xq25, complete sequence [Homo sapiens]	1e-08	1354935	(U58330) probable copper-transporting atpase	1.2
1137	X64639	H.sapiens DNA repetitive subtelomeric-like sequence (522 bp)	1e-08	77356	hypothetical 70K protein - eggplant mosaic virus	0.098
1138	U97058	Human HuD gene, 5'UTR	5e-09	3387886	(AF070530) unknown [Homo sapiens]	9.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human DNA				
1139	Z82181	sequence from cosmid E86D10 on chromosome 22. contains ESTs, exontrap, complete sequence	5e-09	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	8.4
1140	AJ006587	Mus musculus mRNA for translation initiation factor eIF2 gamma X	5e-09	1872200	(U22376) alternatively spliced product using exon 13A	0.64
1141	Y11108	H.sapiens WNT8B gene	4e-09	2854198	(AF045646) contains similarity to collagens	4.0
1142	AE001223	Treponema pallidum section 39 of 87 of the complete genome	4e-09	3334189	CELL DIVISION PROTEIN FTSY HOMOLOG	1.5
1143	Z47046	Human cosmid QLL2C9 from Xq28	4e-09	104045	fibroblast growth factor receptor A1 precursor - African clawed frog >gi 214894 (M55163) fibroblast growth factor receptor [Xenopus laevis]	1.3
1144	AG000746	Homo sapiens genomic DNA, 21q region, clone: T171Bm40	4e-09	113666	!!!! ALU CLASS A WARNING ENTRY !!!!	0.33
1145	M74002	Human arginine-rich nuclear protein mRNA, complete cds.	4e-09	3875371	(Z50948) contains a valine and arginine rich domain, possesses weak similarity with the RNA binding domains from RNA splicing factor U2AF 65 KD subunit; cDNA EST EMBL:D64658 comes from this gene; cDNA EST EMBL:D66829 comes f... >gi 3878699 gnl PID e1351700 possesses weak similarity with the RNA binding domains from RNA splicing factor U2AF 65 KD subunit; cDNA EST EMBL:D64658 comes from this gene; cDNA EST EMBL:D66829 comes f...	3e-06
1146	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-09	2494337	ENDO-1,4-BETA-XYLANASE PRECURSOR sp.]	4.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					UDP-	
1147	U20554	Drosophila melanogaster UDP-glucose:glycoprotein glucosyltransferase mRNA, complete cds.	2e-09	2499087	GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (DUGT) glucosyltransferase - fruit fly (Drosophila sp.) glucosyltransferase precursor [Drosophila melanogaster]	4e-24
1148	Z56162	H.sapiens CpG DNA, clone 91c9, forward read cpg91c9.ft1a .	1e-09	<NONE>	<NONE>	<NONE>
1149	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-09	1002424	(U25739) YSPL-1 form 1 [Mus musculus]	8.9
1150	M85276	Homo sapiens NKG5 gene, complete cds.	1e-09	2315436	(AF016447) No definition line found [Caenorhabditis elegans]	8.3
1151	M94065	Human dihydroorotate dehydrogenase mRNA, 3' end.	1e-09	3892656	(AB014464) MGC-24v [Mus musculus]	6.2
1152	AJ131895	Homo sapiens genomic CAG repeat element, clone 60o2(250)	5e-10	<NONE>	<NONE>	<NONE>
1153	Z82181	Human DNA sequence from cosmid E86D10 on chromosome 22. contains ESTs, exontrap, complete sequence	5e-10	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	7.9
1154	AJ224442	Homo sapiens mRNA for putative methyltransferase	5e-10	113667	!!!! ALU CLASS B WARNING ENTRY !!!!	0.15
1155	AJ010230	Homo sapiens RET finger protein-like 1 antisense transcript, partial	5e-10	728834	!!!! ALU SUBFAMILY SB2 WARNING ENTRY	0.006
1156	AF111116	Homo sapiens silencer of death domains (SODD) mRNA, complete cds	5e-10	4160014	(AF111116) silencer of death domains [Homo sapiens]	2e-08
1157	Z97017	Homo sapiens mRNA for hypothetical protein	4e-10	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens type II integral membrane protein	4e-10	<NONE>	<NONE>	<NONE>
1158	AF001298					
1159	Y11395	H.sapiens mRNA for p40	2e-10	1000340	(U34384) CheW [Borrelia burgdorferi]	2.4
1160	U41096	Human non-coding sequence upstream from DOC-2 gene on chromosome 5	2e-10	728837	!!!! ALU SUBFAMILY SQ WARNING ENTRY	0.28
1161	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	6e-11	<NONE>	<NONE>	<NONE>
1162	Z36111	S.cerevisiae chromosome II reading frame ORF YBR242w	6e-11	2213560	(Z97052) hypothetical protein (Z80220) Similarity to yeast protein TREMBL ID E246895); cDNA EST EMBL:T00018 comes from this gene; cDNA EST EMBL:C13908 comes from this gene; cDNA EST EMBL:C11656 comes from this gene; cDNA EST yk234a5.3 comes from this ge...	3e-27
1163	D89174	Schizosaccharomyces pombe mRNA, partial cds, clone: SY 1004	6e-11	3879758		4e-30
1164	Z95437	Human DNA sequence from cosmid A1 on chromosome 6 contains ESTs. HERV like retroviral sequence	5e-11	<NONE>	<NONE>	<NONE>
1165	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	5e-11	3886065	(AF106581) contains similarity to C4-type zinc fingers	4.9
1166	X56997	Human Uba52 gene coding for ubiquitin-52 amino acid fusion protein	2e-11	<NONE>	<NONE>	<NONE>
1167	AF086253	Homo sapiens full length insert cDNA clone ZD40G12	2e-11	2134780	apoptosis inhibitor IAP homolog - human	3.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1168	AB018314	Homo sapiens mRNA for KIAA0771 protein, partial cds	2e-11	3024343	P53-BINDING PROTEIN 53BP2 Bbp/53BP2 [Homo sapiens]	2e-11
1169	Z74972	S.cerevisiae chromosome XV reading frame ORF YOR064c	2e-11	3041855	(AC004537) similar to tumor suppressor p33ING1; similar to AF044076 (PID:g2829208) [Homo sapiens]	2e-40
1170	Z82181	Human DNA sequence from cosmid E86D10 on chromosome 22. contains ESTs, exontrap, complete sequence	7e-12	<NONE>	<NONE>	<NONE>
1171	X77738	H.sapiens red cell anion exchanger (EPB3, AE1, Band 3) gene, 3' region	7e-12	2135416	hypothetical protein - human >gi 288145	0.012
1172	S61977	medium-chain acyl-CoA dehydrogenase {exon 10, intron 10} [human, Genomic, 1407 nt]	6e-12	113666	!!!! ALU CLASS A WARNING ENTRY !!!!	0.100
1173	X66285	M.musculus DNA for HC1 locus	6e-12	854065	(X83413) U88 [Human herpesvirus 6]	2e-06
1174	S78744	protein S=activated protein C cofactor [rats, liver, mRNA, 3315 nt]	6e-12	2338292	(AF009243) proline-rich Gla protein 2 [Homo sapiens]	3e-10
1175	X58474	Bovine OXT gene for oxytocin, 5' noncoding region	2e-12	1296429	(L77967) small proline-rich protein with paired repeat	4.1
1176	Z56314	H.sapiens CpG DNA, clone 10h10, reverse read cpg10h10.rt1a .	2e-12	2935221	(AF030154) pVII [bovine adenovirus type 3]	2.8
1177	Z56314	H.sapiens CpG DNA, clone 10h10, reverse read cpg10h10.rt1a .	2e-12	2708659	(AF037440) putative 26 kDa protein [Edwardsiella ictaluri]	2.8
1178	Z19543	M.musculus h2-calponin cDNA	2e-12	2497945	BETA SCRUIIN >gi 1015535 (Z47541) beta scruin [Limulus polyphemus]	2e-04

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		erythropoietin				
1179	S45332	receptor [human, placental, Genomic, 8647 nt]	7e-13	728835	!!!! ALU SUBFAMILY SC WARNING ENTRY	0.074
1180	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	2e-13	<NONE>	<NONE>	<NONE>
1181	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	2e-13	<NONE>	<NONE>	<NONE>
1182	Z59509	H.sapiens CpG DNA, clone 15a1, reverse read cpg15a1.rt1a .	2e-13	3150251	(AL023634) hypothetical protein	0.66
1183	D10170	Human CYP11B2 gene for steroid 18-hydroxylase	2e-13	728837	!!!! ALU SUBFAMILY SQ WARNING ENTRY	3e-05
1184	U65416	Human MHC class I molecule (MICB) gene, complete cds	2e-13	126295	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	6e-11
1185	AJ006031	Mus musculus IHABP gene, promoter	8e-14	2132223	hypothetical protein YPL186c - yeast	1.1
1186	U34976	Human gamma-sarcoglycan mRNA, complete cds	8e-14	1054903	(U34976) gamma-sarcoglycan [Homo sapiens] >gi 4239660 sapiens]	0.034
1187	D30647	Rat mRNA for very-long-chain Acyl-CoA dehydrogenase, complete cds	8e-14	3183512	ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC (VLCAD) >gi 2388724 (AF017176) very-long-chain acyl-CoA dehydrogenase [Mus musculus]	8e-23
1188	Z63247	H.sapiens CpG DNA, clone 7g4, forward read cpg7g4.f1a .	6e-14	86285	histone H1.01 - chicken	6.8
1189	U27196	Gallus gallus zinc finger protein (Fzf-1) mRNA, complete cds.	3e-14	2134436	zinc finger protein - chicken (fragment)	4e-10
1190	M26219	African green monkey origin of replication	2e-14	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus				
1191	AF100694	Pontin52 mRNA, complete cds	2e-14	4235641	(AF119040) NL0D [Lycopersicon esculentum]	0.65
1192	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	2e-14	3043728	(AB011174) KIAA0602 protein [Homo sapiens]	0.28
1193	AJ005866	Homo sapiens mRNA for putative Sqv-7-like protein, partial	2e-14	4008517	(AJ005866) Sqv-7-like protein [Homo sapiens]	0.004
1194	U32709	Haemophilus influenzae Rd section 24 of 163 of the complete genome	2e-14	3861056	(AJ235272) POLYRIBONUCLEOTIDE NUCLEOTIDYLTRANSFERASE (pnp) [Rickettsia prowazekii]	6e-28
1195	AF073485	Homo sapiens MHC class I-related protein MR1 precursor (MR1) gene, partial cds	8e-15	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	1.0
1196	AF052135	Homo sapiens clone 23625 mRNA sequence	8e-15	4098124	(U73522) AMSH [Homo sapiens]	8e-14
1197	AF100694	Mus musculus Pontin52 mRNA, complete cds	3e-15	<NONE>	<NONE>	<NONE>
1198	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	3e-15	113671	!!!! ALU CLASS F WARNING ENTRY !!!!	1.7
1199	Z75104	S.cerevisiae chromosome XV reading frame ORF YOR196c	3e-15	3878570	(Z46381) similar to lipoic acid synthase; cDNA EST yk283b6.3 comes from this gene; cDNA EST yk283b6.5 comes from this gene; cDNA EST yk472f5.3 comes from this gene; cDNA EST yk472f5.5 comes from this gene; cDNA EST yk476e7.3...	1e-15

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(U42833) coded for by C.	
1200	X70052	S.cerevisiae sof1 gene	3e-15	1125754	elegans cDNA cm16f6; coded for by C. elegans cDNA CEESU63F; similar to S. cerevisiae SOF1 protein (SP:P33750) [Caenorhabditis elegans]	3e-29
1201	AF012899	Sambucus nigra ribosome inactivating protein precursor mRNA, complete cds	2e-15	<NONE>	<NONE>	<NONE>
1202	M92295	Gorilla gorilla gamma 1 and gamma-2 globin genes, complete cds.	1e-15	284078	hypothetical protein 2 - human >gi 182220	7.4
1203	L34587	Homo sapiens RNA polymerase II elongation factor SIII, p15 subunit mRNA, complete cds. > :: gb AR022286 AR022286 Sequence 7 from patent US 5792634	9e-16	<NONE>	<NONE>	<NONE>
1204	D83649	Xenopus laevis mRNA for xSox7 protein, complete cds	8e-16	2447043	(D83649) xSox7 protein [Xenopus laevis]	4e-06
1205	AC005190	Homo sapiens PAC clone DJ1152D16 from Xq23, complete sequence [Homo sapiens]	3e-16	<NONE>	<NONE>	<NONE>
1206	J03626	Human UMP synthase mRNA, complete cds.	3e-16	113667	!!!! ALU CLASS B WARNING ENTRY !!!!	0.65
1207	J00083	Human Alu family interspersed repeat; clone BLUR11.	3e-16	728836	!!!! ALU SUBFAMILY SP WARNING ENTRY	4e-06
1208	U70674	Mus musculus m-Numb (m-nb) mRNA, complete cds	1e-16	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1209	U66619	Human SWI/SNF complex 60 KDa subunit (BAF60c) mRNA, complete cds	1e-16	1549247	(U66619) SWI/SNF complex 60 KDa subunit [Homo sapiens]	0.003
1210	U75467	Drosophila melanogaster Rga and Atu genes, complete cds	1e-16	1658503	(U75467) Atu [Drosophila melanogaster]	5e-32
1211	M72709	Human alternative splicing factor mRNA, complete cds.	3e-17	<NONE>	<NONE>	<NONE>
1212	U26556	Human ferritin H (FTHL13) pseudogene.	3e-17	<NONE>	<NONE>	<NONE>
1213	D32064	Human gene for 2-oxoglutarate dehydrogenase, complete cds	3e-17	2088843	(AF003386) F59E12.9 gene product [Caenorhabditis elegans]	0.12
1214	M76364	Human (Papua New Guinean) Mitochondrial DNA control region, sequence 131.	3e-17	114009	APAG PROTEIN >gi 72927 pir BVECAG apaG protein - Escherichia coli >gi 40918 (X04711) URF hypothetical protein [Escherichia coli]	0.006
1215	AF017466	Homo sapiens genomic sequence from subtelomeric region of chromosome 4q	1e-17	3947985	(U78948) MADS-box protein 2 [Malus domestica]	4.1
1216	AF004876	Homo sapiens 54TMp (54tm) mRNA, complete cds	1e-17	4101574	(AF004876) 54TMp [Homo sapiens]	0.006
1217	AF100694	Mus musculus Pontin52 mRNA, complete cds	9e-18	<NONE>	<NONE>	<NONE>
1218	AF086758	Rattus norvegicus Na-K-2Cl cotransporter	4e-18	3892703	(AL033545) putative glycine-rich protein [Arabidopsis thaliana]	0.30
1219	AF020089	Homo sapiens PEN11B mRNA, complete cds	4e-18	2642493	(AF023910) DNA topoisomerase I [Physarum polycephalum]	0.083
1220	X82333	H.sapiens IRLB gene (exon1-3)	4e-18	106837	irlB protein - human (fragment) >gi 33969	2e-11

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human mRNA for KIAA0385 gene, complete cds	4e-18	3228540	(AF060181) zinc finger protein [Homo sapiens]	6e-25
1221	AB002383					
1222	X98485	P.vivax PV14 gene	1e-18	<NONE>	<NONE>	<NONE>
		H.sapiens flow-sorted chromosome 6 HindIII fragment, SC6pA21E8	1e-18	2981631	(AB012223) ORF2 [Canis familiaris]	0.001
1223	Z79057					
1224	L01457	Homo sapiens (clone JH4B1) PM-scl autoantigen mRNA, complete cds.	1e-18	346287	nucleolar 100K polymyositis-scleroderma protein - human >gi 35555 (X66113) PM/Scl 100kD nucleolar protein [Homo sapiens]	0.001
		Dog nonerythroid beta-spectrin mRNA, 3' end.	4e-19	3493358	(AB017037) nonstructural protein precursor [Himetobi P virus]	0.12
1225	L02897					
1226	AB012162	Homo sapiens mRNA for APCL protein, complete cds	4e-19	3894265	(AB012162) APCL protein [Homo sapiens]	0.002
		Homo sapiens mRNA for KIAA0521 protein, partial cds	4e-19	3043566	(AB011093) KIAA0521 protein [Homo sapiens]	9e-09
1227	AB011093					
1228	X78454	X.laevis AB21 mRNA for RPD3 homologue	4e-19	3023945	HISTONE DEACETYLASE (HD) thaliana]	5e-34
		Human endogenous retrovirus H D1 leader region/integrase-derived ORF1, ORF2, and putative envelope protein mRNA, complete cds	2e-19	59977	(Z14310) tripartite fusion transcript PLA2L [Human endogenous retrovirus]	1e-04
1229	U88895					
1230	U34377	Human tyrosine kinase TXK (txk) gene, exon 13.	1e-19	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	3e-05
		M.musculus rab3A gene	1e-19	2408076	(Z99167) putative peroxisomal organisation and biogenesis protein [Schizosaccharomyces pombe]	2e-09
1231	X72966					
1232	AB007953	Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484	4e-20	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AB001535) similar to	
1233	D14034	Human gene for Zn-alpha2-glycoprotein, complete cds	2e-20	3928756	C.elegans hypothetical protein CET01H8.1,CEC05C12.3,CEF54D1.5. similar to trp and trp-like proteins [Homo sapiens]	1e-07
1234	X82126	H.sapiens HOK-2 gene, exon 2	2e-20	2137269	DNA-binding protein - mouse >gi 437444	1e-19
1235	AF093684	Luciferase reporter vector pXP2 *SA, complete sequence	5e-21	2773363	(AF041382) microtubule binding protein D-CLIP-190	5.5
1236	J05272	Human IMP dehydrogenase type 1 mRNA complete cds.	5e-21	124417	INOSINE-5'-MONOPHOSPHATE DEHYDROGENASE 1 (IMP DEHYDROGENASE 1) (IMPDH-I) (IMPD 1) I - human	2e-04
1237	D86997	Human (lambda) DNA for immunoglobulin light chain	5e-21	3878261	(Z75712) Similarity to S. Pombe BEM1/BUD5 suppressor; cDNA EST EMBL:Z14470 comes from this gene; cDNA EST yk482d4.3 comes from this gene; cDNA EST yk482d4.5 comes from this gene [Caenorhabditis elegans]	6e-46
1238	Z79865	H.sapiens chromosome 22 CpG island DNA genomic MseI fragment, clone 302f3, forward read 302f3.f	2e-21	2739037	(AF024614) ADAM 10 [Caenorhabditis elegans] Zinc-binding metalloprotease domain; cDNA EST CEMSA42F comes from this gene; cDNA EST yk218f3.3 comes from this gene; cDNA EST yk443d9.3 comes from this gene; cDNA EST yk443d9.5 comes from this gene; cDNA...	2.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1239	AF100694	Mus musculus Pontin52 mRNA, complete cds	6e-22	3924779	(AL008585) similar to lammin B, cDNA EST yk450d8.5 comes from this gene; cDNA EST yk249a6.5 comes from this gene; cDNA EST yk219a2.5 comes from this gene; cDNA EST yk355e4.5 comes from this gene; cDNA EST yk224f4.5 comes fr... >gi 3924881 gnl PID e1354569 from this gene; cDNA EST yk249a6.5 comes from this gene; cDNA EST yk219a2.5 comes from this gene; cDNA EST yk355e4.5 comes from this gene; cDNA EST yk224f4.5 comes from...	0.35
1240	U67824	Human primary Alu transcript	6e-22	728832	!!!! ALU SUBFAMILY SB WARNING ENTRY	5e-07
1241	AF070636	Homo sapiens clone 24686 mRNA sequence	2e-22	98710	fatty-acid synthase (EC 2.3.1.85) - Brevibacterium ammoniagenes	2.5
1242	D14034	Human gene for Zn-alpha2-glycoprotein, complete cds	2e-22	4185939	(Y17832) pol protein [Human endogenous retrovirus K]	0.29
1243	M61835	Human lactase phlorizin hydrolase (LCT) gene, exon 2.	2e-22	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.006
1244	AF100694	Mus musculus Pontin52 mRNA, complete cds	6e-23	1350828	RABPHILIN-3A >gi 477100 pir A48097 rabphilin-3A - bovine >gi 285646 gnl PID d1003285	0.14
1245	AF074985	Homo sapiens full length insert cDNA YH73H06	8e-24	3170548	(AF056116) unknown [Fugu rubripes]	0.24
1246	D14878	Human mRNA for protein D123, complete cds	7e-24	<NONE>	<NONE>	<NONE>
1247	D16917	Human HepG2 3' region cDNA, clone hmd3d07	6e-24	1397345	(U61955) contains multiple region of strong similarity to C2H2-type zinc fingers (PS:PS00028) [Caenorhabditis elegans]	2.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human DNA				
1248	Z69654	sequence from cosmid L98A6, Huntington's Disease Region, chromosome 4p16.3.	3e-24	4240566	(AF123462) neurexin III [Homo sapiens]	4.5
1249	AB007914	Homo sapiens mRNA for KIAA0445 protein, complete cds	2e-24	3885949	(AF095568) amelogenin [Paleosuchus palpebrosus]	3.2
1250	AF088072	Homo sapiens full length insert cDNA clone ZD93D10	2e-24	323091	immunodominant microneme protein Etp100 - Eimeria tenella >gi 2707733 (AF032905) microneme protein precursor Etmic-1 [Eimeria tenella]	0.34
1251	AF069489	Homo sapiens cAMP specific phosphodiesterase 4A variant pde46 (PDE4A) gene, exons 2 through 13 and alternative splice exons 3a, 6a, 6b, and 9a	2e-24	728836	!!!! ALU SUBFAMILY SP WARNING ENTRY	1e-05
1252	Y12853	Homo sapiens P2X7 gene, exon 4-8	9e-25	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	1e-05
1253	M27830	Human 28S ribosomal RNA gene, complete cds.	8e-25	<NONE>	<NONE>	<NONE>
1254	AB007953	Homo sapiens mRNA, chromosome 1 specific transcript KIAA0484	8e-25	<NONE>	<NONE>	<NONE>
1255	Z60212	H.sapiens CpG DNA, clone 195c8, forward read cpg195c8.ft1a .	8e-25	158154	(M81959) POU domain protein [Drosophila melanogaster]	3.3
1256	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-25	<NONE>	<NONE>	<NONE>
1257	AF100694	Mus musculus Pontin52 mRNA, complete cds	7e-25	<NONE>	<NONE>	<NONE>
1258	Y12851	Homo sapiens P2X7 gene, exon 1 and joined CDS	2e-25	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus Tera				
1259	U64033	(Tera) mRNA, complete cds	9e-26	<NONE>	<NONE>	<NONE>
1260	U19181	Rattus norvegicus Rabin3 mRNA, complete cds.	9e-26	624225	(U19181) Rabin3 [Rattus norvegicus]	1e-13
1261	AF020788	Caenorhabditis elegans SEL-10 (sel-10) mRNA, complete cds	9e-26	3915881	SEL-10 PROTEIN Candida CDC4 gene (TR:E234056); cDNA EST EMBL:D27699 comes from this gene; cDNA EST EMBL:D27698 comes from this gene; cDNA EST EMBL:D32793 comes from this gene; cDNA EST EMBL:D33271 comes from this gen...	7e-32
1262	AB016930	Cricetulus griseus mRNA for Phosphatidylglycerophosphate synthase, complete cds	8e-26	4159682	(AB016930) Phosphatidylglycerophosphate synthase [Cricetulus griseus]	0.045
1263	AF100694	Mus musculus Pontin52 mRNA, complete cds	3e-26	3878629	(Z93385) predicted using Genefinder; Similarity to B.subtilis GTP-binding protein	2e-10
1264	X91195	H.sapiens SOM172 mRNA	1e-26	<NONE>	<NONE>	<NONE>
1265	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-26	1360637	(X95995) ENBP1 [Vicia sativa]	3.1
1266	L08237	Human MG21 mRNA, partial cds.	1e-26	950411	(L08237) located at OATL1 [Homo sapiens]	9e-09
1267	AF100694	Mus musculus Pontin52 mRNA, complete cds	9e-27	3881080	(AL032657) similar to EGF-like domain; cDNA EST yk299a12.3 comes from this gene; cDNA EST EMBL:D35398 comes from this gene; cDNA EST yk331h6.5 comes from this gene; cDNA EST yk299a12.5 comes from this gene; cDNA EST yk467g8....	0.001
1268	AF100694	Mus musculus Pontin52 mRNA, complete cds	8e-27	1731324	HYPOTHETICAL PROTEIN >gi 166306	4.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1269	X89211	H.sapiens DNA for endogenous retroviral like element	8e-27	2065209	(Y12713) Gag polyprotein [Mus musculus]	0.005
1270	U73166	Homo sapiens cosmid clone LUCA15 from 3p21.3, complete sequence [Homo sapiens]	3e-27	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	4e-04
1271	D78255	Mouse mRNA for PAP-1, complete cds	3e-27	1850098	(D78255) PAP-1 [Mus musculus]	2e-10
1272	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-27	2133579	spermatophorin Sp23 - yellow mealworm molitor]	0.39
1273	AB015202	Homo sapiens gene for hippocalcin, exon 2, 3 and complete cds	1e-27	3877698	(Z83318) predicted using Genefinder; cDNA EST yk369e7.5 comes from this gene [Caenorhabditis elegans]	0.37
1274	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-27	3328188	(AF074902) laminin alpha chain [Caenorhabditis elegans]	0.19
1275	Z29336	H.sapiens gene for Cu/Zn-superoxide dismutase	1e-27	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	6e-05
1276	AF100694	Mus musculus Pontin52 mRNA, complete cds	9e-28	2133579	spermatophorin Sp23 - yellow mealworm molitor]	9.2
1277	AF100694	Mus musculus Pontin52 mRNA, complete cds	9e-28	2133579	spermatophorin Sp23 - yellow mealworm molitor]	0.054
1278	AB001636	Homo sapiens mRNA for ATP-dependent RNA helicase #46, complete cds	4e-28	3913425	PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE >gi 2275203 (AC002337) RNA helicase isolog [Arabidopsis thaliana]	3e-22
1279	AF100694	Mus musculus Pontin52 mRNA, complete cds	3e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	0.066

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	
1280	AF100694	Mus musculus Pontin52 mRNA, complete cds	3e-28	4056454		4e-05
1281	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1282	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1283	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1284	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1285	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1286	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	<NONE>	<NONE>	<NONE>
1287	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	140505	PROBABLE INTRON MATURASE liverwort (Marchantia polymorpha) chloroplast >gi 11663	3.0
1288	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	140505	PROBABLE INTRON MATURASE liverwort (Marchantia polymorpha) chloroplast >gi 11663	1.8
1289	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	2133579	spermatophorin Sp23 - yellow mealworm molitor]	0.50
1290	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	0.087
1291	Z63029	H.sapiens CpG DNA, clone 77b3, forward read cpg77b3.ft1a .	1e-28	2493240	HYPOTHETICAL 29.3 KD PROTEIN pseudotsugata nuclear polyhedrosis virus]	0.014

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					DEHYDRIN DHN3	
1292	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	118588	>gi 100035 pir S18139 dehydrin DHN3 - garden pea >gi 20709 (X63063) pea dehydrin DHN3 [Pisum sativum]	0.010
1293	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	0.007
1294	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	0.002
1295	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	126363	LAMININ ALPHA-1 CHAIN PRECURSOR precursor - human	3e-04
1296	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	1e-04
1297	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	3e-05
1298	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	3157926	(AC002131) Strong similarity to extensin-like protein gb Z34465 from Zea mays. [Arabidopsis thaliana]	2e-05
1299	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	1e-05

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					kinetoplast-associated protein -	
1300	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	320919	Trypanosoma cruzi >gi 162142 (M25364) kinetoplast-associated protein	1e-07
1301	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	9e-08
1302	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	1e-09
1303	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	9e-10
1304	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	4e-10
1305	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	9e-11
1306	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-28	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	6e-11

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus				
1307	AF100694	Pontin52 mRNA, complete cds	4e-29	<NONE>	<NONE>	<NONE>
1308	AF079529	Homo sapiens cAMP-specific phosphodiesterase 8B	4e-29	<NONE>	<NONE>	<NONE>
1309	X93334	H.sapiens mitochondrial DNA, complete genome	4e-29	116977	CYTOCHROME C OXIDASE POLYPEPTIDE I chain I - human mitochondrion (SGC1) >gi 13006 (V00662) cytochrome oxidase I [Homo sapiens] >gi 506829 (J01415) cytochrome oxidase subunit 1 [Homo sapiens] sapiens]	3e-09
1310	AF020760	Homo sapiens serine protease (Omi) mRNA, complete cds	4e-29	2738915	(AF020760) serine protease [Homo sapiens]	8e-12
1311	U95097	Xenopus laevis mitotic phosphoprotein 43 mRNA, partial cds	4e-29	2072294	(U95097) mitotic phosphoprotein 43 [Xenopus laevis]	1e-25
1312	L32162	Homo sapiens transcription factor mRNA, 5' end.	2e-29	2501706	RENAL TRANSCRIPTION FACTOR KID-1 finger protein [Mus musculus]	8e-15
1313	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-29	4056454	(AC005990) Contains repeated region with similarity to gb U43627 extensin (atExt1) gene from Arabidopsis thaliana. ESTs gb Z34165 and gb Z18788 come from this gene. [Arabidopsis thaliana]	1e-04
1314	AF100694	Mus musculus Pontin52 mRNA, complete cds	1e-29	1169643	FMRFAMIDE-RELATED NEUROPEPTIDES PRECURSOR >gi 416208 (U03137) neuropeptide precursor FMRFamide-related peptide [Lymnaea stagnalis]	1e-05
1315	U50839	Homo sapiens g16 protein (g16) mRNA, complete cds	1e-29	3212101	(AF069517) RNA binding protein DEF-3 [Homo sapiens]	6e-10

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					intercellular adhesion molecule	
1316	X69711	H. sapiens mRNA for ICAM-R	5e-30	299356	3, ICAM-3=lymphocyte function-associated antigen 1 counter-receptor homolog [human, tonsil, Peptide Partial, 518 aa]	3e-08
1317	AF010227	Homo sapiens receptor-associated coactivator 3	5e-30	2331250	(AF012108) Amplified in Breast Cancer [Homo sapiens]	8e-09
1318	AF086395	Homo sapiens full length insert cDNA clone ZD75C01	2e-30	3861241	(AJ235273) CELL SURFACE ANTIGEN (sca5)	4.2
1319	M27830	Human 28S ribosomal RNA gene, complete cds.	2e-30	1730522	PHOSPHOGLYCERATE KINASE 2.7.2.3) - Pyrococcus woesei >gi 1054832 (X73527) phosphoglycerate kinase [Pyrococcus woesei]	3.8
1320	M79307	Mouse GTP-binding protein (Rab17) mRNA sequence.	2e-30	464564	RAS-RELATED PROTEIN RAB-17 Rab17 - mouse (fragment) >gi 297157 (X70804) rab17 [Mus musculus]	9e-11
1321	AL022168	Human DNA sequence from clone U247E12 on chromosome Xq22-23, complete sequence [Homo sapiens]	1e-30	2072967	(U93570) putative p150 [Homo sapiens]	3e-11
1322	X85124	M.musculus paccin gene	1e-30	2217964	(Z50798) p52 [Gallus gallus]	1e-34
1323	U37408	Homo sapiens phosphoprotein CtBP mRNA, complete cds	5e-31	74518	structural polypeptide - Venezuelan equine encephalitis virus (strain TRD) >gi 323710 (J04332) poly-envelope protein [Venezuelan equine encephalitis virus]	1.1
1324	L04193	Human lens membrane protein (mp19) gene, exon 11.	2e-31	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	7e-07
1325	M11167	Human 28S ribosomal RNA gene.	6e-32	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1326	M33336	Human cAMP-dependent protein kinase type I-alpha subunit (PRKAR1A) mRNA, complete cds	2e-32	<NONE>	<NONE>	<NONE>
1327	J03060	Human glucocerebrosidase pseudogene, complete cds	2e-32	2144479	glucosylceramidase (EC 3.2.1.45) precursor - human	1e-05
1328	U33053	Human lipid-activated protein kinase PRK1 mRNA, complete cds	7e-33	2137689	protein kinase (EC 2.7.1.37) - mouse	1e-14
1329	J04617	Human elongation factor EF-1-alpha gene, complete cds. > :: dbj E02629 E02629 DNA of human polypeptide chain elongation factor-1 alpha	6e-33	<NONE>	<NONE>	<NONE>
1330	L40396	Homo sapiens (clone s22i71) mRNA fragment	6e-33	124235	INTERMEDIATE FILAMENT PROTEIN B protein B - common roundworm	1.00
1331	Z72813	S.cerevisiae chromosome VII reading frame ORF YGR028w	6e-33	1709135	MSP1 PROTEIN HOMOLOG Yeast MSP1 protein (TAT-binding homolog 4)	8e-50
1332	AB007941	Homo sapiens mRNA for KIAA0472 protein, partial cds	2e-33	1150834	(U42471) Wiscott-Aldrich Syndrome protein homolog [Mus musculus]	2.0
1333	AF044574	Rattus norvegicus putative peroxisomal 2,4-dienoyl-CoA reductase (DCR-AKL) mRNA, complete cds	2e-34	4105269	(AF044574) putative peroxisomal 2,4-dienoyl-CoA reductase [Rattus norvegicus]	6e-15
1334	D14657	Human mRNA for KIAA0101 gene, complete cds	7e-35	<NONE>	<NONE>	<NONE>
1335	X69910	H.sapiens p63 mRNA for transmembrane protein	7e-35	2136323	trithorax homolog HTX - human (fragment) homolog=MLL {alternative splicing, clone 14p-18B}	0.94

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Homo sapiens				
1336	AF053455	tetraspan TM4SF (TSPAN-5) gene, complete cds	7e-35	3152703	(AF065389) tetraspan NET-4 [Homo sapiens]	1e-25
1337	X58374	D.melanogaster crn mRNA	3e-35	117478	CROOKED NECK PROTEIN	6e-41
1338	AF086492	Homo sapiens full length insert cDNA clone ZD95D11	9e-36	2909809	(AF031328) aminoglycoside 6'-N-acetyltransferase It	1.9
1339	Z96223	H.sapiens telomeric DNA sequence, clone 12PTTEL120, read 12PTELOO120.seq	3e-36	2408068	(Z99165) hypothetical protein	0.61
1340	Z37986	H.sapiens mRNA for phenylalkylamine binding protein.	1e-36	1362793	emopamil-binding protein - human >gi 780263	5e-11
1341	U57847	Human ribosomal protein S27 mRNA, complete cds. end similar to similar to metallopanstimulin 1 > :: gb AA316327 AA316327 EST188061 HCC cell line (matatasis to liver in mouse) II Homo sapiens cDNA 5' end similar to similar to metallopanstimulin 1	3e-37	1171014	40S RIBOSOMAL PROTEIN S27 growth factor-inducible zinc finger protein MPS-1 - human >gi 431319 (L19739) metallopanstimulin [Homo sapiens] >gi 1373421 (U57847) ribosomal protein S27	1.4
1342	Y15054	Rattus norvegicus mRNA for 70 kDa tumor specific antigen, partial	3e-37	3123027	70 KD WD-REPEAT TUMOR-SPECIFIC ANTIGEN >gi 2505957 gnl PID e353992 (Y15054) 70 kD tumor-specific antigen [Rattus norvegicus]	2e-15
1343	AF084205	Rattus norvegicus serine/threonine protein kinase TAO1 mRNA, complete cds	3e-37	3452473	(AF084205) serine/threonine protein kinase TAO1 [Rattus norvegicus]	5e-47
1344	X78604	R.norvegicus (Sprague Dawley) ARL5 mRNA for ARF-like protein 5	1e-37	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1345	AJ236644	Homo sapiens chromosome 22 CpG island DNA, genomic MseI fragment, clone 22CGIB49A3 , complete read	1e-37	2239219	(Z97210) hypothetical protein	6e-05
1346	U09367	Human zinc finger protein ZNF136	4e-39	2137269	DNA-binding protein - mouse >gi 437444	7e-23
1347	Z69649	Human DNA sequence from cosmid L69F7B, Huntington's Disease Region, chromosome 4p16.3 contains Huntington Disease (HD) gene.	3e-39	3096918	(AL023094) putative cyclase associated protein CAP [Arabidopsis thaliana]	5.6
1348	AF065389	Homo sapiens tetraspan NET-4 mRNA, complete cds	1e-39	3152703	(AF065389) tetraspan NET-4 [Homo sapiens]	6e-29
1349	AF038172	Homo sapiens clone 23923 mRNA sequence	1e-40	1813464	(U60883) CapC [Bacillus firmus]	2.8
1350	Z83095	H.sapiens Fanconi anaemia group A gene, exons 39, 40, 41, 42 and 43	1e-40	2137870	zinc finger protein - mouse (fragment)	3e-23
1351	AF057734	Homo sapiens 17-beta-hydroxysteroid dehydrogenase IV (HSD17B4) gene, exon 16	1e-40	2842416	(AL008730) dJ487J7.1.1 (putative protein dJ487J7.1 isoform 1) [Homo sapiens]	6e-61
1352	AF070567	Homo sapiens clone 24544 beta-dystrobrevin mRNA, partial cds	4e-41	3133087	(Y15718) dystrobrevin B DTN-B2 [Homo sapiens]	7e-13
1353	AF006088	Homo sapiens Arp2/3 protein complex subunit p16-Arc (ARC16) mRNA, complete cds	2e-41	3121767	ARP2/3 COMPLEX 16 KD SUBUNIT	3e-36
1354	X69942	M.musculus mRNA of enhancer-trap-locus 1	6e-42	2291152	(AF016418) No definition line found [Caenorhabditis elegans]	6.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1355	X87838	H.sapiens mRNA for beta-catenin	5e-42	1373019	(U28811) cysteine-rich fibroblast growth factor receptor	8e-05
1356	AB018268	Homo sapiens mRNA for KIAA0725 protein, partial cds	5e-42	3882171	(AB018268) KIAA0725 protein [Homo sapiens]	2e-33
1357	M84424	Human cathepsin E (CTSE) gene, exon 9 and complete cds.	2e-42	<NONE>	<NONE>	<NONE>
1358	U80776	Human EST clone NIB1543 mariner transposon Hsmar1 orf gene, complete cds	2e-42	2231380	(U80776) orf; encodes putative chimeric protein with SET domain in N-terminus with similarity to several other human, Drosophila, nematode and yeast proteins [Homo sapiens]	3e-11
1359	U55184	Human G protein Golf alpha gene, exon 12 and complete cds	2e-42	3165531	(AF067608) No definition line found [Caenorhabditis elegans]	1e-16
1360	AC005190	Homo sapiens PAC clone DJ1152D16 from Xq23, complete sequence [Homo sapiens]	6e-43	2978255	(AB007407) myeloid zinc finger protein-2 [Mus musculus]	2.3
1361	AB018284	Homo sapiens mRNA for KIAA0741 protein, complete cds	5e-43	<NONE>	<NONE>	<NONE>
1362	AB011137	Homo sapiens mRNA for KIAA0565 protein, complete cds	5e-43	3043654	(AB011137) KIAA0565 protein [Homo sapiens]	1e-07
1363	M93651	Human set gene, complete cds.	2e-43	<NONE>	<NONE>	<NONE>
1364	Z47087	H.sapiens mRNA for RNA polymerase II elongation factor-like protein.	2e-43	1872514	(U84404) E6-associated protein E6-AP/ubiquitin-protein ligase [Homo sapiens] >gi 2361031 (AF016708) E6-AP ubiquitin-protein ligase [Homo sapiens]	7.2
1365	U27197	Drosophila melanogaster pelota (pelo) mRNA. complete cds	2e-43	1352736	PELOTA PROTEIN >gi 973224 (U27197) pelota [Drosophila melanogaster]	1e-46

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					RRP5 PROTEIN HOMOLOG	
1366	D80007	Human mRNA for KIAA0185 gene, partial cds	6e-44	2498864	(KIAA0185) hypothetical protein YM9959.11C of <i>S.cerevisiae</i> . [Homo sapiens]	6e-09
1367	AF005039	Homo sapiens secretory carrier membrane protein (SCAMP3) mRNA, complete cds	6e-44	2232243	(AF005039) secretory carrier membrane protein [Homo sapiens]	2e-09
1368	X68101	<i>R.norvegicus</i> trg mRNA	2e-44	550420	(X68101) trg gene product [Rattus norvegicus]	1e-37
1369	AF044206	Homo sapiens cyclooxygenase (COX-2) gene, promoter and exon 1	2e-45	2072953	(U93565) putative p150 [Homo sapiens]	5e-06
1370	L48708	Homo sapiens faciogenital dysplasia (FGD1) gene, 5' end of intron 17	8e-46	<NONE>	<NONE>	<NONE>
1371	X15822	Human COX VIIa-L mRNA for liver-specific cytochrome c oxidase (EC 1.9.3.1.)	3e-46	117121	CYTOCHROME C OXIDASE POLYPEPTIDE VIIA-LIVER PRECURSOR >gi 2144370 pir OSHU7L cytochrome-c oxidase (EC 1.9.3.1) chain VIIa precursor, hepatic - human >gi 30147 (X15822) precursor (AA -23 to 60) [Homo sapiens]	5e-13
1372	U47323	Mus musculus stromal cell protein mRNA, complete cds	3e-46	1493833	(U47323) stromal cell protein [Mus musculus]	1e-48
1373	AF059524	Homo sapiens reticulon gene family protein	7e-47	1731169	HYPOTHETICAL 113.1 KD PROTEIN T28D9.7 IN CHROMOSOME II >gi 861264 (U28738) coded for by <i>C. elegans</i> cDNA yk8h5.3; coded for by <i>C. elegans</i> cDNA yk8h5.5; similar to <i>C. elegans</i> deg-1 and mec-4 in exon 2 [Caenorhabditis elegans]	7.8
1374	AJ132583	Homo sapiens mRNA for puromycin sensitive aminopeptidase, partial	3e-47	1777519	(U39123) T cell receptor beta chain [Homo sapiens]	9.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1375	M97856	Homo sapiens histone binding protein mRNA, complete cds.	3e-47	2645327	(U83821) NADH dehydrogenase subunit 3 [Oryzomys palustris]	5.7
1376	U53220	Human retinoblastoma-related Rb2/p130 gene, 5' flanking region and partial cds	3e-47	2499225	CMP-SIALIC ACID TRANSPORTER CMP-sialic acid transporter [Cricetulus griseus]	5.3
1377	X87870	H.sapiens mRNA for hepatocyte nuclear factor 4a	1e-47	728832	!!!! ALU SUBFAMILY SB WARNING ENTRY	7.3
1378	AF060195	Mus musculus proteasome regulator PA28 beta subunit gene, complete cds	3e-48	478681	limb deformity protein - chicken	0.25
1379	AB018285	Homo sapiens mRNA for KIAA0742 protein, partial cds	1e-48	3122969	TESTIS SPECIFIC PROTEIN A (ZINC FINGER PROTEIN TSGA) >gi 281040 pir S28499 probable zinc finger protein - rat >gi 57504 (X59993) zinc finger protein	1e-30
1380	U35032	Human endogenous retrovirus clone c5.11, HERV-H multiply spliced subgenomic leader, protease and integrase region mRNA, partial cds	4e-49	88558	retroviral proteinase-like protein - human	6e-05
1381	AB007956	Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487	1e-49	<NONE>	<NONE>	<NONE>
1382	D86987	Homo sapiens mRNA for KIAA0214 protein, complete cds	1e-49	2497944	ALPHA SCRUIIN >gi 633238 (Z38132) scruin [Limulus polyphemus] >gi 1093326 prf 2103269A scrulin [Limulus sp.]	9.7
1383	U25826	Human transcription factor (SC1) gene, complete cds.	4e-50	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus ATP-dependent RNA helicase mRNA, partial cds.				
1384	U46690		4e-50	1335873	(U46690) ATP-dependent RNA helicase [Mus musculus]	3e-24
1385	AF072128	Mus musculus claudin-2 mRNA, complete cds	2e-50	3335184	(AF072128) claudin-2 [Mus musculus]	4e-24
1386	AF093593	Homo sapiens snRNA activating protein complex 19kDa subunit (SNAP19) mRNA, complete cds	1e-50	3668416	(AF093593) snRNA activating protein complex 19kDa subunit [Homo sapiens]	0.003
1387	U79745	Homo sapiens monocarboxylate transporter homologue MCT6 mRNA, complete cds	1e-50	1177607	(X92485) pva1 [Plasmodium vivax]	2e-07
1388	L09647	Rattus norvegicus hepatocyte nuclear factor 3a	1e-50	404764	(L10409) fork head related protein [Mus musculus]	2e-21
1389	X61506	Mouse E46 mRNA for E46 protein	4e-51	114909	BRAIN PROTEIN E46	1e-20
1390	M33387	Human debrisoquine 4-hydroxylase (CYP2D8P) and	1e-51	126296	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG protein [Nycticebus coucang]	5e-15
1391	AF019767	Homo sapiens zinc finger protein (ZPR1) mRNA, complete cds	4e-52	961507	(D63788) anchor protein, LCM	5.9
1392	Z37986	H.sapiens mRNA for phenylalkylamine binding protein.	2e-52	<NONE>	<NONE>	<NONE>
1393	U65416	Human MHC class I molecule (MICB) gene, complete cds	2e-52	3878637	(Z49128) weak similarity with SINR protein (Swiss Prot accession number P06533); cDNA EST EMBL:T00631 comes from this gene; cDNA EST yk293d10.5 comes from this gene [Caenorhabditis elegans]	8.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					beta-globin DNA-binding	
1394	Z57647	H.sapiens CpG DNA, clone 189a6, forward read cpg189a6.ft1a .	2e-52	111187	protein B1, transcription factor PU.1 - mouse >gi 200586 (M32370) PU.1 protein [Mus musculus] >gi 200972 (M38252) transcription factor Pu.1 [Mus musculus]	5.8
1395	L13738	Human activated p21cdc42Hs kinase (ack) mRNA, complete cds.	2e-52	2921447	(AF037260) non-receptor protein tyrosine kinase Ack [Mus musculus]	7e-23
1396	AF042379	Homo sapiens spindle pole body protein spc97 homolog GCP2 mRNA, complete cds	7e-53	2801701	(AF042379) spindle pole body protein spc97 homolog GCP2	1e-16
1397	AF047441	Homo sapiens RNA polymerase I 40kD subunit mRNA, complete cds	6e-53	3914807	DNA-DIRECTED RNA POLYMERASE I 40 KD POLYPEPTIDE (RPA40) (RPA39) >gi 2266929 (AF008442) RNA polymerase I subunit hRPA39 [Homo sapiens]	4e-19
1398	AF104670	Homo sapiens cell cycle protein (PA2G4) gene, exons 6 through 13, and complete cds	2e-53	<NONE>	<NONE>	<NONE>
1399	S60754	{VNTR locus DXZ4, hypervariable tandem repeat cluster} [human, Genomic, 2991 nt] > :: gb L07935 HUMVNT RA Homo sapiens microsatellite VNTR DNA sequence.	2e-53	1209669	(U38810) CAGR1 [Homo sapiens] >gi 3098420 (AF040945) homeotic regulator homolog MAB21 [Mus musculus]	4.6
1400	D86972	Human mRNA for KIAA0218 gene, complete cds	1e-53	3426041	(AC005168) unknown protein [Arabidopsis thaliana]	9.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1401	AJ236682	Homo sapiens chromosome 22 CpG island DNA, genomic MseI fragment, clone 22CGIB49E6 , complete read	7e-54	3928721	(AL034355) putative cytochrome oxidase subunit I [Streptomyces coelicolor]	0.30
1402	AJ236682	Homo sapiens chromosome 22 CpG island DNA, genomic MseI fragment, clone 22CGIB49E6 , complete read	6e-54	3928721	(AL034355) putative cytochrome oxidase subunit I [Streptomyces coelicolor]	0.28
1403	M37583	Human histone (H2A.Z) mRNA, complete cds.	6e-54	70711	histone H2A.F, embryonic - chicken	2e-16
1404	AJ009947	Homo sapiens mRNA for putative ATPase, partial	6e-54	3550295	(AJ009947) putative ATPase [Homo sapiens]	3e-18
1405	Y08459	B.taurus mRNA for novel cytoplasmic protein	2e-54	<NONE>	<NONE>	<NONE>
1406	AF042384	Homo sapiens BC-2 protein mRNA, complete cds	2e-54	2828147	(AF042384) BC-2 protein [Homo sapiens]	2e-14
1407	AF042379	Homo sapiens spindle pole body protein spe97 homolog GCP2 mRNA, complete cds	8e-55	2801701	(AF042379) spindle pole body protein spe97 homolog GCP2	2e-17
1408	AF005355	Oryctolagus cuniculus translation initiation factor eIF2C mRNA, complete cds	7e-55	3253159	(AF005355) translation initiation factor eIF2C	3e-53
1409	AF008442	Homo sapiens RNA polymerase I subunit hRPA39 mRNA, complete cds	3e-55	3335138	(AF047441) RNA polymerase I 40kD subunit [Homo sapiens]	3e-20
1410	AF047441	Homo sapiens RNA polymerase I 40kD subunit mRNA, complete cds	3e-55	3335138	(AF047441) RNA polymerase I 40kD subunit [Homo sapiens]	3e-20

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Human mRNA for				
1411	X08004	Rap1B protein > :: emb A08693 A08693 H.sapiens rap1b cDNA	2e-55	539995	transforming protein rap1b - rat (strain Copenhagen)	2e-18
1412	AF010403	Homo sapiens ALR mRNA, complete cds	2e-55	2358285	(AF010403) ALR [Homo sapiens]	1e-49
1413	M77016	Human tropomodulin mRNA, complete cds.	8e-56	262249	(S52010) orf1 5' of EpoR [mice, Peptide, 85 aa] [Mus sp.]	0.027
1414	AB020633	Homo sapiens mRNA for KIAA0826 protein, partial cds	2e-56	<NONE>	<NONE>	<NONE>
1415	X87489	H.sapiens genomic DNA (chromosome 3; clone NL1243D)	2e-56	1814029	(U84501) cuticle collagen [Caenorhabditis briggsae]	0.038
1416	AB007893	Homo sapiens KIAA0433 mRNA, partial cds	2e-56	2887437	(AB007893) KIAA0433 [Homo sapiens]	9e-21
1417	X78925	H.sapiens HZF2 mRNA for zinc finger protein	1e-56	3342002	(AF054180) hematopoietic cell derived zinc finger protein [Homo sapiens]	2e-21
1418	Z56281	H.sapiens mRNA for interferon regulatory factor 3	9e-57	2497442	INTERFERON REGULATORY FACTOR 3 factor 3 [Homo sapiens]	2e-21
1419	U78772	Homo sapiens nuclear VCP-like protein NVLp.1	8e-57	2406565	(U68140) nuclear VCP-like protein NVLp.2 [Homo sapiens]	5e-20
1420	D79994	Human mRNA for KIAA0172 gene, partial cds	3e-57	1136404	(D79994) similar to ankyrin of Chromatium vinosum. [Homo sapiens]	9e-38
1421	AB002342	Human mRNA for KIAA0344 gene, complete cds	1e-57	2224629	(AB002342) KIAA0344 [Homo sapiens]	4e-20
1422	L19437	Human transaldolase mRNA containing transposable element, complete cds	1e-57	1553119	(U63159) transaldolase [Mus musculus]	2e-20
1423	D17532	Human mRNA for RCK, complete cds	9e-58	129376	PROBABLE ATP- DEPENDENT RNA HELICASE P54 (ONCOGENE RCK) (DEAD BOX PROTEIN 6)	1e-10

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1424	X79568	H.sapiens BDP1 mRNA for protein-tyrosine-phosphatase	9e-58	1871531	(X79568) protein-tyrosine-phosphatase	1e-22
1425	X79568	H.sapiens BDP1 mRNA for protein-tyrosine-phosphatase	9e-58	1871531	(X79568) protein-tyrosine-phosphatase	9e-23
1426	AB012295	Homo sapiens HKE1.5 mRNA for GDS-related protein, complete cds	7e-58	2648021	(Z97184) RGL2 [Homo sapiens]	9e-19
1427	AF086040	Homo sapiens full length insert cDNA clone YX52E07	1e-58	543222	glutamine (Q)-rich factor 1, QRF-1 - mouse factor 1, QRF-1 [mice, B-cell leukemia, BCL1, Peptide Partial, 84 aa]	3e-36
1428	AB018195	Homo sapiens ca xi mRNA for carbonic anhydrase-related protein XI, complete cds	4e-59	<NONE>	<NONE>	<NONE>
1429	AF071777	Mus musculus IRE1 (Ire1) mRNA, complete cds	4e-59	3766209	(AF071777) IRE1 [Mus musculus]	7e-28
1430	AB000462	Homo sapiens mRNA for SH3 binding protein, complete cds, clone:RES4-23A	3e-59	<NONE>	<NONE>	<NONE>
1431	AF038172	Homo sapiens clone 23923 mRNA sequence	3e-59	3758855	(Z98551) MAL3P6.11 [Plasmodium falciparum]	1.3
1432	Z84812	Human DNA sequence from phage pTEL from a contig from the tip of the short arm of chromosome 16, spanning 2Mb of 16p13.3 Contains ESTs	1e-59	400927	RIBONUCLEOPROTEIN RB97D ribonucleoprotein [Drosophila melanogaster]	2.5
1433	U36484	Human laminin-binding protein gene, partial cds, and E2 small nucleolar RNA gene, complete sequence	1e-59	226005	protein 40kD [Mus musculus]	7e-05

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					DUAL SPECIFICITY	
1434	L11285	Homosapiens ERK activator kinase (MEK2) mRNA.	1e-59	2499630	MITOGEN-ACTIVATED PROTEIN KINASE KINASE 2 (MAP KINASE KINASE 2) (MAPKK 2) kinase type 2 [Gallus gallus]	3e-21
1435	AF086555	Homo sapiens full length insert cDNA clone ZE14E04	4e-60	3287674	(AC005239) F23149_1 [Homo sapiens]	2e-04
1436	M24766	Human (clone pHAIV2-12) alpha-2 collagen type IV	4e-60	29551	(X05610) alpha (2) chain [Homo sapiens]	6e-15
1437	X65550	H.sapiens mki67a mRNA (long type) for antigen of monoclonal antibody Ki-67	4e-60	1170654	ANTIGEN KI-67 >gi 539555 pir A48666 cell proliferation antigen Ki-67, long form - human Ki-67 [Homo sapiens]	3e-15
1438	M27319	Human calmodulin mRNA, complete cds.	4e-60	1345451	(X05949) Calmodulin (AA 2 - 59) (449 is 1st base in codon) [Drosophila melanogaster]	7e-20
1439	Y12781	Homo sapiens mRNA for transducin (beta) like 1 protein	3e-60	62133	(X06172) put. 134 kD protein (AA 1 - 1187); put. replicase	7.4
1440	AB002383	Human mRNA for KIAA0385 gene, complete cds	1e-60	1001548	(D64000) hypothetical protein	4.4
1441	AF070614	Homo sapiens clone 24732 unknown mRNA, partial cds	2e-61	3283879	(AF070614) unknown [Homo sapiens]	3e-17
1442	AB002326	Human mRNA for KIAA0328 gene, partial cds	6e-62	547891	MICROTUBULE-ASSOCIATED PROTEIN 4 microtubule-associated protein-U [Bos taurus]	5.6
1443	AF086471	Homo sapiens full length insert cDNA clone ZD88A01	5e-62	<NONE>	<NONE>	<NONE>
1444	AB002311	Human mRNA for KIAA0313 gene, complete cds	2e-62	2506357	2,3-DIHYDROXYPHENYLPROPIONATE 1,2-DIOXYGENASE >gi 1657544 (U73857) similar to mcpI gene (catechol 2,3-dioxygenase) of A. eutrophus 3-(2,3-dihydroxyphenylpropionate)1, 2-dioxygenase 2,3-dihydroxyphenylpropionate 1,2-dioxygenase	3.4

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1445	AF069737	<i>Xenopus laevis</i> notchless (nle) mRNA, complete cds	2e-62	3687833	(AF069737) notchless [<i>Xenopus laevis</i>]	1e-55
1446	AF044209	Homo sapiens nuclear receptor co-repressor N-CoR mRNA, complete cds	5e-63	2137603	nuclear receptor co-repressor N-CoR - mouse musculus >gi 1583865 prf 2121436A thyroid hormone receptor co-repressor [<i>Mus musculus</i>]	2e-47
1447	M69238	Human aryl hydrocarbon receptor nuclear translocator (ARNT) mRNA, complete cds.	2e-63	2702319	(AF001307) aryl hydrocarbon receptor nuclear translocator; Arnt [<i>Homo sapiens</i>]	5e-19
1448	X80497	H.sapiens PHKLA mRNA	2e-63	1170685	PHOSPHORYLASE B KINASE ALPHA REGULATORY CHAIN, LIVER ISOFORM (PHOSPHORYLASE KINASE ALPHA L SUBUNIT) >gi 663010 (X80497) phosphorylase kinase phosphorylase kinase alpha subunit [<i>Homo sapiens</i>]	5e-22
1449	AF031141	Homo sapiens ubiquitin conjugating enzyme	2e-63	2623260	(AF031141) ubiquitin conjugating enzyme [<i>Homo sapiens</i>]	1e-23
1450	Z37166	H.sapiens BAT1 mRNA for nuclear RNA helicase	6e-64	2500529	PROBABLE ATP-DEPENDENT RNA HELICASE P47 >gi 2135840 pir I37201 nuclear RNA helicase (DEAD family) BAT1 - human >gi 587146 (Z37166) nuclear RNA helicase (DEAD family) [<i>Homo sapiens</i>]	9e-24
1451	M64240	Human helix-loop-helix zipper protein (max) mRNA, complete cds. > :: gb I41138 I41138 Sequence 1 from patent US 5624818 > :: gb I77062 I77062 Sequence 1 from patent US 5693487	5e-64	88175	Myc-binding factor Max, short form - human	8e-22

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					PROCOLLAGEN-LYSINE,2-	
1452	M98252	Homo sapiens lysyl hydroxylase (partial clone 2.2 Kb LH) RNA, complete mature peptide.	2e-64	400205	OXOGLUTARATE 5-DIOXYGENASE PRECURSOR (LYSYL HYDROXYLASE) lysyl hydroxylase [Homo sapiens]	7e-22
1453	U09550	Human oviductal glycoprotein mRNA, complete cds.	8e-65	2493676	OVIDUCT-SPECIFIC GLYCOPROTEIN PRECURSOR (OVIDUCTAL GLYCOPROTEIN) (OVIDUCTIN)	2e-11
1454	X67877	R.norvegicus mRNA for cytosolic resiniferatoxin-binding protein	7e-65	423664	resiniferatoxin-binding protein RBP-26, cytosolic - rat >gi 311660 (X67877) cytosolic resiniferatoxin binding protein RBP-26 [Rattus norvegicus] >gi 1093373 prf 2103310A resiniferatoxin-binding protein [Rattus norvegicus]	2e-40
1455	AB018254	Homo sapiens mRNA for KIAA0711 protein, complete cds	6e-65	92298	glutamine/glutamic acid-rich protein	0.98
1456	J03607	Human 40-kDa keratin intermediate filament precursor gene.	3e-65	1070608	keratin 19, type I, cytoskeletal - human sapiens]	4e-07
1457	U65896	Human gamma-glutamyl carboxylase gene, complete cds	2e-65	<NONE>	<NONE>	<NONE>
1458	U07681	Human NAD(H)-specific isocitrate dehydrogenase alpha subunit precursor mRNA, complete cds.	2e-65	1708399	ISOCITRATE DEHYDROGENASE (NAD), MITOCHONDRIAL SUBUNIT ALPHA PRECURSOR (ISOCITRIC DEHYDROGENASE) (NAD+-SPECIFIC ICDH) dehydrogenase alpha chain precursor - human >gi 706839 subunit precursor [Homo sapiens]	4e-26
1459	U88080	Human zinc finger protein (LD5-1) gene, exons 4, 5 and 6, and complete cds	2e-65	1373394	(U57796) zinc finger protein [Homo sapiens] >gi 2306773	2e-39

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					tensin - chicken (fragment)	
1460	M96625	Gallus domesticus tensin mRNA sequence.	3e-66	2134419	>gi 63805 (Z18529) tensin [Gallus gallus] >gi 212755 (L06662) tensin [Gallus gallus]	1e-51
1461	U13262	Mus musculus myelin gene expression factor (MEF-2) mRNA, partial cds.	1e-70	536926	(U13262) myelin gene expression factor [Mus musculus]	9e-42
1462	U64033	Mus musculus Tera (Tera) mRNA, complete cds	5e-72	1575505	(U64033) Tera [Mus musculus]	9e-34
1463	X78989	M.musculus mRNA for testin	6e-74	1351218	TESTIN 2 (TES2) [CONTAINS: TESTIN 1]	8e-31
1464	U64033	Mus musculus Tera (Tera) mRNA, complete cds	2e-74	1575505	(U64033) Tera [Mus musculus]	5e-37
1465	AF057365	Canis familiaris UDP N-acetylglucosamine transporter mRNA, complete cds	9e-79	3298605	(AF057365) UDP N-acetylglucosamine transporter [Canis familiaris]	9e-10
1466	AJ006064	Rattus norvegicus mRNA for coronin-like protein	1e-82	3757680	(AJ006064) coronin-like protein [Rattus norvegicus]	3e-62
1467	U91582	Macaca fascicularis UDP-glucuronosyltransferase mRNA, complete cds	4e-89	140396	KARYOGAMY PROTEIN KAR4 yeast (Saccharomyces cerevisiae)	1e-08
1468	X06762	Mouse Hox2.3 mRNA	3e-92	123255	HOMEODOMAIN PROTEIN HOXB7 (HOX-2C)	9e-23
1469	AB016930	Cricetulus griseus mRNA for Phosphatidylglycerophosphate synthase, complete cds	5e-94	4159682	(AB016930) Phosphatidylglycerophosphate synthase [Cricetulus griseus]	7e-34
1470	X74504	M.musculus T10 mRNA	7e-97	1711658	SER/THR-RICH PROTEIN T10 IN DGCR REGION >gi 480900 pir S37488 gene T10 protein - mouse	3e-59

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1471	U13175	Rattus norvegicus clone ubc10a ubiquitin conjugating enzyme (E217kB) mRNA, complete cds.	3e-98	1351345	UBIQUITIN-CONJUGATING ENZYME E2-17 KD 3 (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (E2(17)KB 3) >gi 1085588 pir S53358 ubiquitin conjugating enzyme (E217kB) - rat >gi 595666 (U13175) ubiquitin conjugating enzyme [Rattus norvegicus] >gi 1145691 (U39318) UbcH5C [Homo sapiens]	5e-05
1472	S79873	h-lamp-2=lysosome-associated membrane protein-2 protein-2b (LAMP2) mRNA, alternatively spliced form h-lamp-2b, complete cds.	e-119	<NONE>	<NONE>	<NONE>
1473	D13623	Rat mRNA for p34 protein, complete cds	e-112	480379	ribosome-binding protein p34 - rat sp.]	2e-05
1474	AB013357	Mus musculus mRNA for 49 kDa zinc finger protein, complete cds	e-136	4153886	(AB013357) 49 kDa zinc finger protein	5e-08
1475	AB016930	Cricetulus griseus mRNA for Phosphatidylglycerophosphate synthase, complete cds	e-117	4159682	(AB016930) Phosphatidylglycerophosphate synthase [Cricetulus griseus]	4e-32
1476	U38253	Rattus norvegicus initiation factor eIF-2B gamma subunit (eIF-2B gamma) mRNA, complete cds	e-103	2494312	TRANSLATION INITIATION FACTOR EIF-2B GAMMA SUBUNIT (EIF-2B GDP-GTP EXCHANGE FACTOR) subunit [Rattus norvegicus]	3e-42

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
1477	X73683	R.norvegicus mRNA for histone H3.3	e-117	122075	HISTONE H3.3 (H3.3Q) histone H3.3 - fruit fly (Drosophila melanogaster) histone H3.3B - chicken >gi 2119023 pir S61218 histone H3.3 - fruit fly (Drosophila hydei) 1-136 [Oryctolagus cuniculus] >gi 8046 (X53822) Histone H3.3Q gene product [Drosophila melanogaster] >gi 51198 gallus] >gi 161190 (M17876) histone H3 [Spisula solidissima] >gi 211853 (M11393) histone 3.3 [Gallus gallus] >gi 306848 (M11354) H3.3 histone [Homo sapiens] melanogaster] >gi 963031 (X81205) histone H3.3 H3.3A variant [Drosophila melanogaster] musculus]	1e-45
1478	U32498	Rattus norvegicus rsec8 mRNA, partial cds	e-108	2143962	rsec8 - rat (fragment) >gi 1019441 (U32498) rsec8 [Rattus norvegicus]	7e-48
1479	U41736	Mus musculus ancient ubiquitous 46 kDa protein AUP1 precursor (Aup1) mRNA, complete cds	e-146	1517822	(U41736) ancient ubiquitous 46 kDa protein AUP46 precursor [Mus musculus]	5e-49
1480	AF041338	Bos taurus vacuolar proton pump subunit SFD alpha isoform (SFD) mRNA, complete cds	e-119	2895578	(AF041338) vacuolar proton pump subunit SFD alpha isoform [Bos taurus]	3e-49
1481	AF064553	Mus musculus NSD1 protein mRNA, complete cds	e-121	3329465	(AF064553) NSD1 protein [Mus musculus]	2e-50
1482	AB000517	Rattus sp. mRNA for CDP-diacylglycerol synthase, complete cds	e-146	1517822	(U41736) ancient ubiquitous 46 kDa protein AUP46 precursor [Mus musculus]	2e-51
1483	D38517	Mouse mRNA for Dhml protein, complete cds	e-118	2137562	mouse Dhml protein - mouse musculus]	6e-54

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		M.domesticus MD6			CDC4 repeat unit-containing	
1484	X54352	mRNA	e-139	1085499	protein - mouse	1e-55
1485	U57692	Mus musculus N-terminal asparagine amidohydrolase (Ntan1) mRNA, complete cds	e-118	2498797	PROTEIN N-TERMINAL ASPARAGINE AMIDOHYDROLASE (PROTEIN NH2-TERMINAL ASPARAGINE DEAMIDASE) (NTN-AMIDASE) (PNAD) (PROTEIN NH2-TERMINAL ASPARAGINE AMIDOHYDROLASE) (PNAA) >gi 1373365 (U57691) N-terminal asparagine amidohydrolase [Mus musculus] amidohydrolase [Mus musculus]	5e-57
1486	X80169	M.musculus mRNA for 200 kD protein	e-119	1717793	PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR) >gi 1083553 pir A55117 tsg24	9e-58
1487	U57692	Mus musculus N-terminal asparagine amidohydrolase (Ntan1) mRNA, complete cds	e-120	2498797	PROTEIN N-TERMINAL ASPARAGINE AMIDOHYDROLASE (PROTEIN NH2-TERMINAL ASPARAGINE DEAMIDASE) (NTN-AMIDASE) (PNAD) (PROTEIN NH2-TERMINAL ASPARAGINE AMIDOHYDROLASE) (PNAA) >gi 1373365 (U57691) N-terminal asparagine amidohydrolase [Mus musculus] amidohydrolase [Mus musculus]	8e-58
1488	U08215	Mus musculus Hsp70-related NST-1 (hsr.1) mRNA, complete cds.	e-109	473407	(U08215) NST-1 [Mus musculus]	7e-58
1489	D85926	Mouse mRNA for Ray, complete cds	e-110	1944389	(D85926) Ray [Mus musculus]	2e-58
1490	L20427	Rattus norvegicus dihydroxypolyprenylbenzoate methyltransferase mRNA, complete cds	e-123	457372	(L20427) dihydroxypolyprenylbenzoate methyltransferase dihydroxypolyprenylbenzoate methyltransferase [Rattus norvegicus]	4e-59
1491	X56044	M.musculus mRNA for protein Htf9C	e-121	3183977	(X56044) protein Htf9C [Mus musculus]	1e-60

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					PROTO-ONCOGENE	
1492	S74774	p59fyn(T)=OKT3-induced calcium influx regulator	e-163	729896	TYROSINE-PROTEIN KINASE FYN (P59-FYN) >gi 420217 pir A44991 protein-tyrosine kinase (EC 2.7.1.112) fyn - mouse	8e-63
1493	U88873	Mus musculus BUB2-like protein 1 (HBLP1) mRNA, complete cds	e-123	4099611	(U88873) BUB2-like protein 1 [Mus musculus]	1e-63
1494	U48852	Cricetulus griseus HT protein mRNA, complete cds.	e-117	1216486	(U48852) HT protein [Cricetulus griseus]	7e-64
1495	AF032667	Rattus norvegicus rexo70 mRNA, complete cds	e-142	2827160	(AF032667) rexo70 [Rattus norvegicus]	5e-66
1496	M62722	Chinese hamster phosphatidylserine decarboxylase mRNA, 3' end.	e-114	118910	PHOSPHATIDYLSERINE DECARBOXYLASE PROENZYME >gi 109423 pir A38732 phosphatidylserine decarboxylase (EC 4.1.1.65) - Chinese hamster (fragment)	2e-67
1497	AF072758	Mus musculus fatty acid transport protein 3 mRNA, partial cds	e-130	3335567	(AF072758) fatty acid transport protein 3; FATP3 [Mus musculus]	1e-67
1498	AB005549	Rattus norvegicus mRNA for atypical PKC specific binding protein, complete cds	e-113	3868778	(AB005549) atypical PKC specific binding protein [Rattus norvegicus]	2e-69
1499	U57344	Mus musculus homeobox protein Meis3 mRNA, complete cds	e-143	3024124	HOMEBOX PROTEIN MEIS3	6e-72
1500	U09874	Mus musculus SKD3 mRNA, complete cds.	e-142	2493735	SKD3 PROTEIN SKD3 [Mus musculus]	1e-72
1501	U72194	Mus musculus muskelin mRNA, complete cds	e-148	3493462	(U72194) muskelin [Mus musculus]	2e-74
1502	X80169	M.musculus mRNA for 200 kD protein	e-155	1717793	PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR) >gi 1083553 pir A55117 tsg24	3e-77

Nearest Neighbor (BlastN vs. Genbank)				Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
SEQ ID	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		Mus musculus				
1503	U72194	muskelin mRNA, complete cds	e-154	3493462	(U72194) muskelin [Mus musculus]	2e-78
1504	Y12836	Cricetulus griseus mRNA for Zn finger factor	e-146	3150148	(Y12836) Zn finger factor [Cricetulus griseus]	3e-83